

HELICAL ROTOR - SURFACE

SOUTHERN CROSS "SS" HELICAL ROTOR - PROGRESSIVE CAVITY



'SS' - BARESHAFT PUMP

DISCOUNT CATEGORY A15

MODEL	SUCTION x DISCHARGE MM	CODE	PRICE \$
SINGLE STAGE - 60M			
SSS410 BARESHAFT PUMP	50 x 50	SSS410	1691
SSS510 BARESHAFT PUMP	50 x 50	SSS510	1785
TWO STAGE - 120M			
SSS420 BARESHAFT PUMP	50 x 50	SSS420	1948
SSS520 BARESHAFT PUMP	50 x 50	SSS520	2142



'SS' - MOTORPUMP

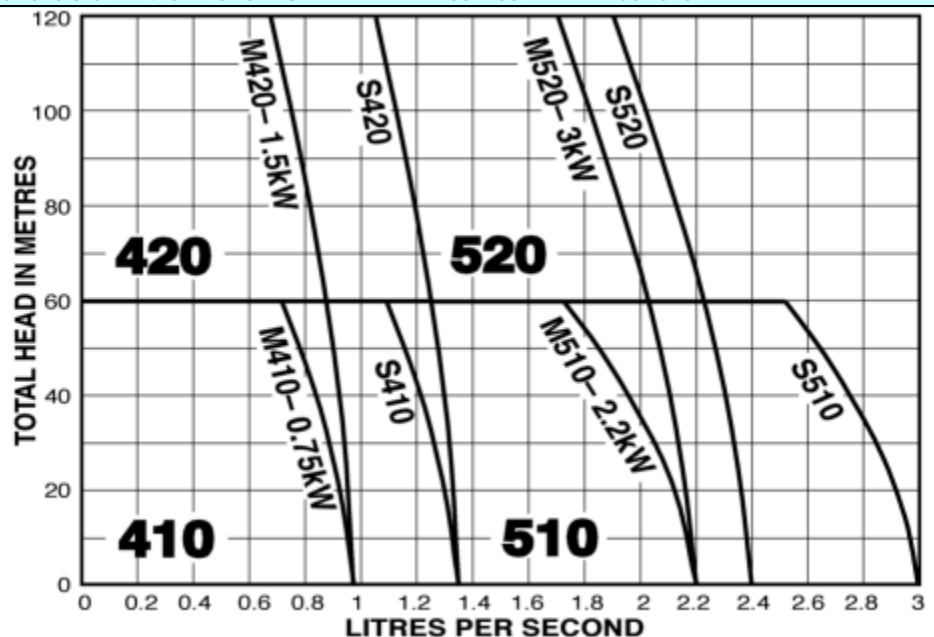
- COMPLETE WITH TEFC MOTOR

NOTES:

- 'SS' series helical rotor pumps incorporate mechanical shaft seals as standard.
- 'SS' series pumps have BSPF screwed connections.
- A sunshield should be used to protect the pump stator when mounting units outdoors.

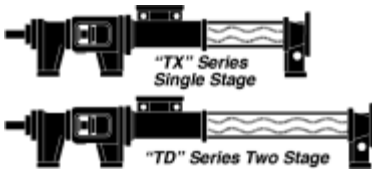
MODEL	SUCTION x DISCH MM	CODE	PRICE \$
SINGLE STAGE - 60M			
SSM410 0.75 kW 240V MOTORPUMP	50 x 50	SSM410S	1952
SSM410 0.75 kW 415V MOTORPUMP	50 x 50	SSM410T	1901
SSM510 2.2 kW 240/480V MOTORPUMP	50 x 50	SSM510S	2297
SSM510 2.2 kW 415V MOTORPUMP	50 x 50	SSM510T	2202
TWO STAGE - 120M			
SSM420 1.50 kW 240V MOTORPUMP	50 x 50	SSM420S	2930
SSM420 1.50 kW 415V MOTORPUMP	50 x 50	SSM420T	2473
SSM520 3.70 kW 240V/480V MOTORPUMP	50 x 50	SSM520S	3687
SSM520 3.0 kW 415V MOTORPUMP	50 x 50	SSM520T	2917

QUICK SELECTION CHART "SS SERIES" HELICAL ROTOR PUMPS



HELICAL ROTOR - SURFACE

SOUTHERN CROSS "T Series" HELICAL ROTOR - PROGRESSIVE CAVITY



"T Series" HELICAL ROTOR PUMPS

DISCOUNT CATEGORY A15

MODEL	SUCTION X DISCHARGE MM	CODE	PRICE \$
SINGLE STAGE - 60M			
TXD	40 X 40	PH400B	2835
TXE	40 X 40	PH405B	3133
TXG	50 X 50	PH410B	3938
TXH	80 X 80	PH415B	4414
TXJ	100 X 100	PH420B	7116
TWO STAGE - 120M			
TDD	40 X 40	PH425B	3498
TDE	50 X 50	PH430B	4323
TDG	50 X 50	PH435B	4760
TDH	80 X 80	PH440B	7961
TDJ	100 X 100	PH445B	8850

NOTES:

* "T Series" helical rotor pumps incorporate packed gland shaft seal as standard.

* "T Series" pumps have flanged connections to A.S.2129 – Table 'E'.

* "T Series" pumps may be operated in either Clockwise or Anti-Clockwise rotation – which will change suction and discharge ports respectively.

* Some form of sunshield should be used to protect the pump stator when mounting units outdoors.

MADE TO ORDER ONLY

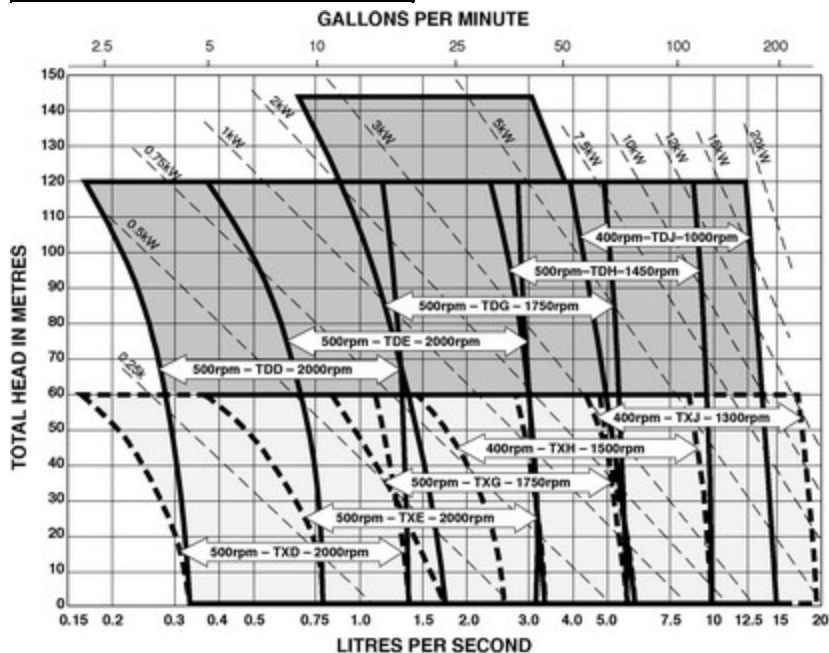
"T Series" HELICAL ROTOR PUMP OPTIONS

MODEL	CODE	PRICE \$	MODELS	CODE	PRICE \$
NITRILE STATOR			SINGLE MECHANICAL SHAFT SEAL		
TXE	PH451	298	TXE/TDD	PH480	327
TXG	PH454	350	TDE/TDG/TXG	PH481	435
TXH	PH457	487	TDH/TDJ/TXJ	PH482	575
TXJ	PH459	662	Double Mechanical seals available P.O.A.		
TDD	PH461	308			
TDE	PH463	342			
TDG	PH466	395			
TDH	PH469	544			
TDJ	PH472	733			

Also available:
Drive Shaft Shrouds - P.O.A.
Gland Feed Tubes - P.O.A.

Nitrile stators required where vegetable oil or hydrocarbon contaminate may exist.

PUMP SELECTION TABLE



HELICAL ROTOR - SURFACE



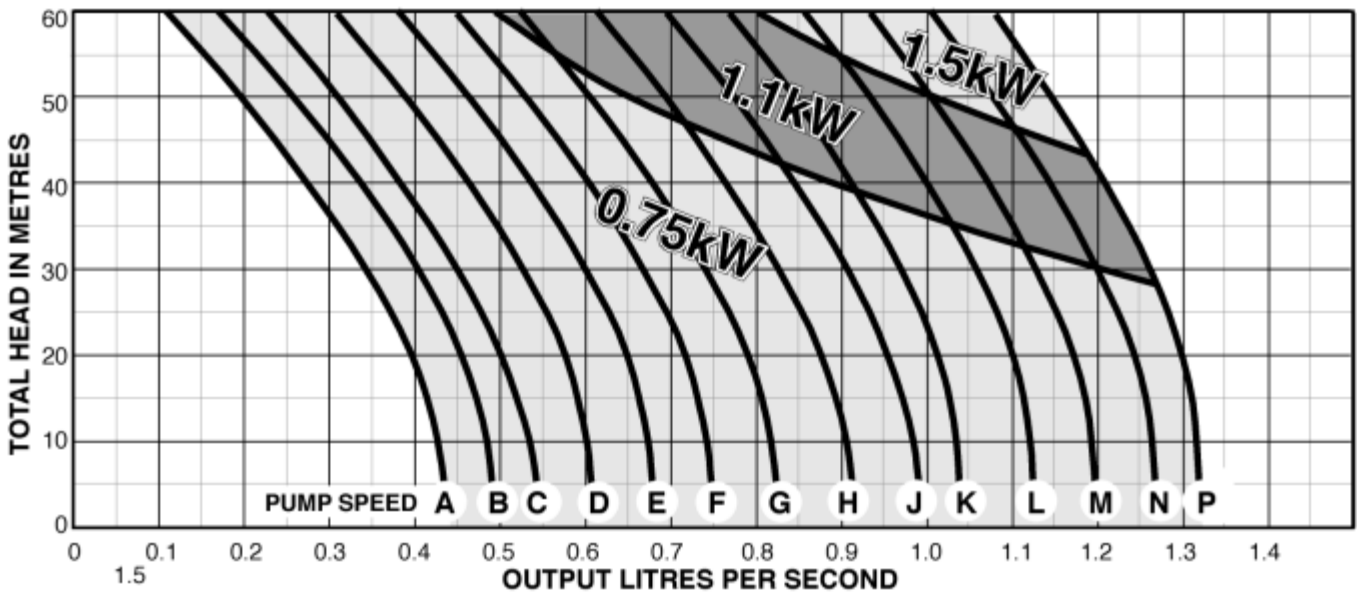
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **0.3 TO 1.3**
LITRES PER SEC.
HEADS TO **60 M**
MODEL S410

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required. Example – 0.8 litres per second @ 30 metres head – **0.75kW**
2. Select the speed line (A to P) closest to the point selected. Example – **H**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code. Example – for petrol engine unit to pump 0.8 litres per second @ 30 metres – **S410-075PH**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	1745	1850	1960

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	0.3	0.5	0.7	0.9	1.1	1.3
SUCTION HEAD - Metres	5.5	5.5	5.0	5.0	5.0	5.0

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base (Engine Units Only) and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE					
	SINGLE PHASE		THREE PHASE		ENGINE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
0.75	S410-075S...	3307	S410-075T...	3035	S410-075P...	4393	S410-075D...	7407	DEY-075ES	998
1.1	S410-110S...	3501	S410-110T...	3161	S410-110P...	4393	S410-110D...	7407	DEY-110ES	998
1.5	S410-150S...	3513	S410-150T...	3260	S410-150P...	4393	S410-150D...	7407	DEY-150ES	998

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



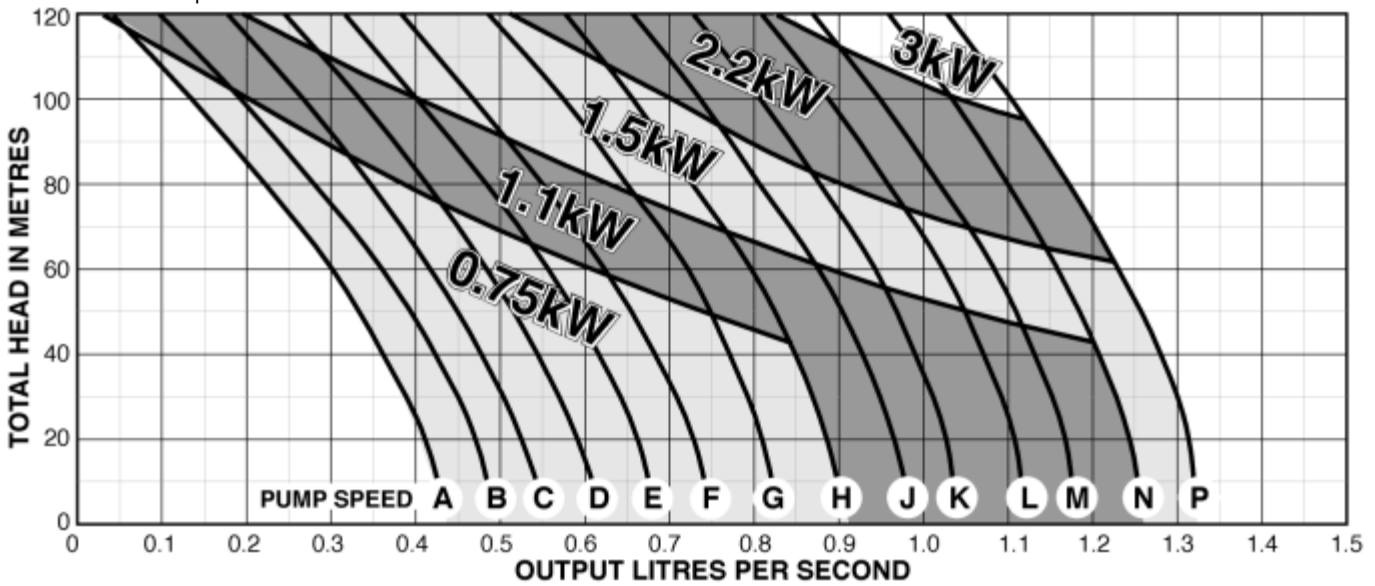
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **0.3 TO 1.3**
LITRES PER SEC.
HEADS TO **120 M**
MODEL S420

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required. Example – 1.0 litres per second @ 60 metres head – **1.5kW**
2. Select the speed line (A to P) closest to the point selected. Example – **L**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code. Example – for petrol engine unit to pump 1.0 litres per second @ 60 metres – **S420-150PL**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	1745	1850	1960

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	0.3	0.5	0.7	0.9	1.1	1.3
SUCTION HEAD - Metres	5.0	6.0	6.5	6.5	6.0	5.0

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base (Engine Units Only) and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE		EXTRA FOR ELECTRIC START	
	SINGLE PHASE	THREE PHASE	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
0.75	S420-075S... 3622	S420-075T... 3410	S420-075P... 4730	S420-075D... 8918	DEY-075ES 998			
1.1	S420-110S... 3622	S420-110T... 3317	S420-110P... 4730	S420-110D... 8918	DEY-110ES 998			
1.5	S420-150S... 3724	S420-150T... 3532	S420-150P... 4730	S420-150D... 8918	DEY-150ES 998			
2.2	S420-220S... 4177	S420-220T... 3628	S420-220P... 4730	S420-220D... 8918	DEY-220ES 998			
3.0	S420-370S... 4556	S420-300T... 3677	S420-300P... 4730	S420-300D... 8918	DEY-300ES 998			

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



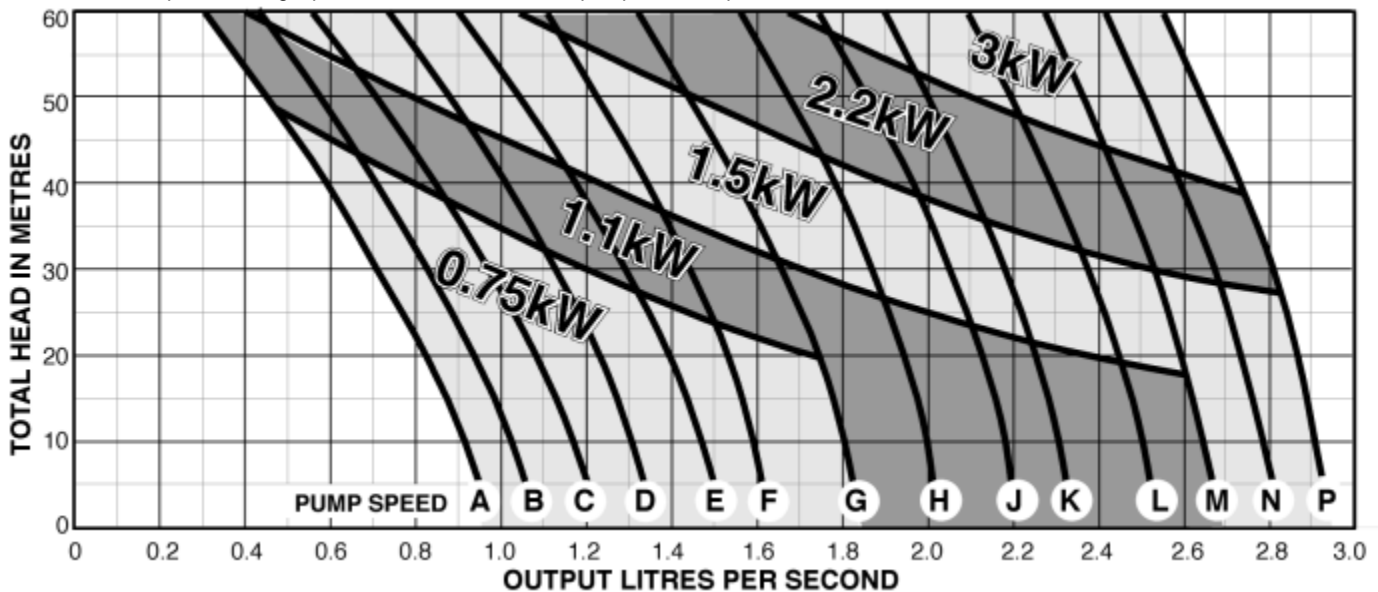
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **0.6 TO 2.8**
LITRES PER SEC.
HEADS TO **60 M**
MODEL S510

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 2.0 litres per second @ 30 metres head – **1.5kW**
2. Select the speed line (A to P) closest to the point selected. Example – **J**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for single phase electric motor unit to pump 2.0 litres per second @ 30 metres – **S510-150SJ**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	1745	1850	1960

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	0.8	1.2	1.6	2.0	2.4	2.8
SUCTION HEAD - Metres	7.0	6.5	6.0	5.0	4.5	3.5

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base (Engine Units Only) and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC				PETROL ENGINE		DIESEL ENGINE			
	SINGLE PHASE		THREE PHASE		CODE	PRICE \$	MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
0.75	S510-075S...	3376	S510-075T...	3016	S510-075P...	4711	S510-075D...	9023	DEY-075ES	998
1.1	S510-110S...	3444	S510-110T...	3061	S510-110P...	4711	S510-110D...	9023	DEY-110ES	998
1.5	S510-150S...	3459	S510-150T...	3110	S510-150P...	4711	S510-150D...	9023	DEY-150ES	998
2.2	S510-220S...	3897	S510-220T...	3117	S510-220P...	4711	S510-220D...	9023	DEY-220ES	998
3.0	S510-370S...	4312	S510-300T...	3227	S510-300P...	4711	S510-300D...	9023	DEY-300ES	998

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



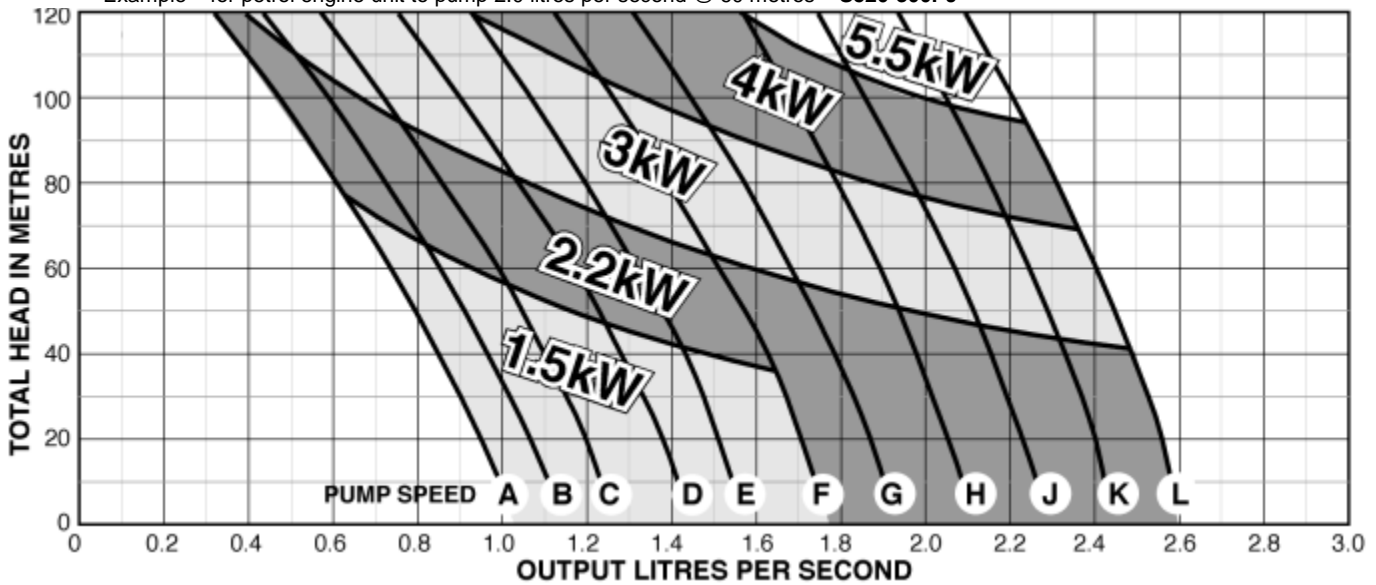
FLOWS **0.6 TO 2.5**
LITRES PER SEC.
HEADS TO **120 M**
MODEL S520

SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 2.0 litres per second @ 60 metres head – **3kW**
2. Select the speed line (A to P) closest to the point selected. Example – **J**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for petrol engine unit to pump 2.0 litres per second @ 60 metres – **S520-300PJ**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	-	-	-

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	0.6	1.0	1.4	1.8	2.2	2.6
SUCTION HEAD - Metres	7.5	7.0	6.5	5.5	5.0	4.0

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base (Engine Units Only) and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE		EXTRA FOR ELECTRIC START			
	SINGLE PHASE	THREE PHASE	MANUAL START	EXTRA FOR ELECTRIC START	MANUAL START	EXTRA FOR ELECTRIC START	EXTRA FOR ELECTRIC START	EXTRA FOR ELECTRIC START		
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
1.5	S520-150S...	3794	S520-150T...	3469	S520-150P...	5236	S520-150D...	10331	DEY-150ES	998
2.2	S520-220S...	4085	S520-220T...	3571	S520-220P...	5236	S520-220D...	10331	DEY-220ES	998
3.0	S520-370S...	4542	S520-300T...	3877	S520-300P...	5236	S520-300D...	10331	DEY-300ES	998
4.0	-	-	S520-400T...	4152	-	-	S520-400D...	10441	DEY-400ES	1156
5.5	-	-	S520-550T...	4223	-	-	S520-550D...	10671	DEY-550ES	1118

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



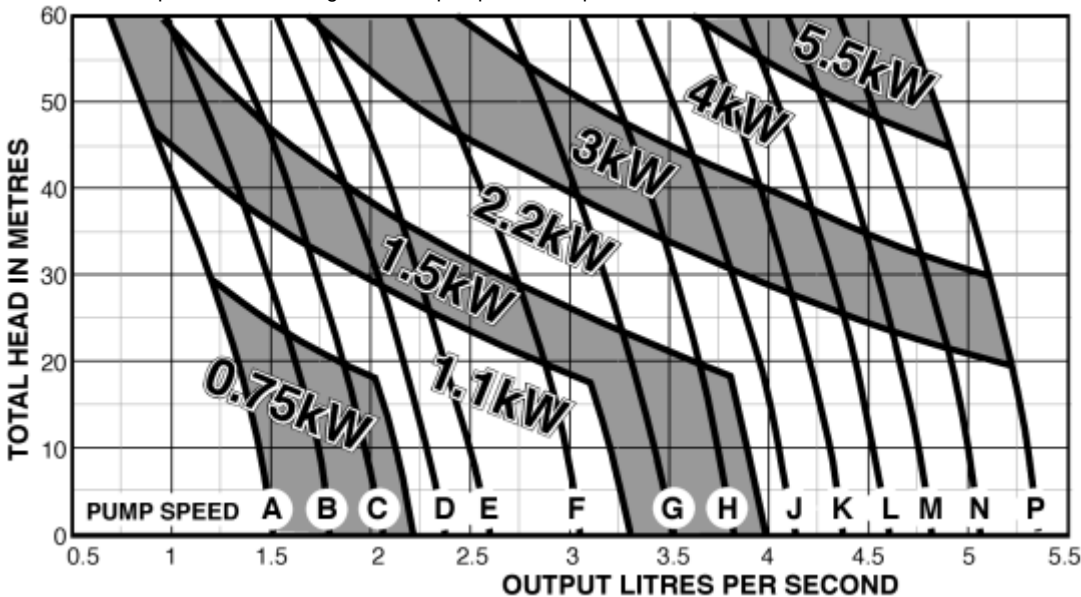
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS 1 TO 5
LITRES PER SEC.
HEADS TO 60 M
MODEL TXG

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 4.0 litres per second @ 30 metres head – **3kW**
2. Select the speed line (A to P) closest to the point selected. Example – **K**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for diesel engine unit to pump 4.0 litres per second @ 30 metres – **TXG-300DK**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	500	550	650	750	800	960	1100	1200	1250	1350	1450	1500	1600	1650

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	1.5	3.0	3.5	4.0	4.5	5.0
SUCTION HEAD - Metres	6.0	5.5	5.0	4.0	3.0	2.0

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE		EXTRA FOR ELECTRIC START			
	SINGLE PHASE	THREE PHASE	PETROL ENGINE	PETROL ENGINE	MANUAL START	MANUAL START	EXTRA FOR ELECTRIC START	EXTRA FOR ELECTRIC START		
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$		
0.75	TXG-075S...	5486	TXG-075T...	5477	TXG-075P...	7998	TXG-075D...	10307	DEY-075ES	998
1.1	TXG-110S...	5796	TXG-110T...	5477	TXG-110P...	7998	TXG-110D...	10307	DEY-110ES	998
1.5	TXG-150S...	5851	TXG-150T...	5477	TXG-150P...	7998	TXG-150D...	10307	DEY-150ES	998
2.2	TXG-220S...	5915	TXG-220T...	5613	TXG-220P...	7998	TXG-220D...	10307	DEY-220ES	998
3.0	TXG-370S...	6756	TXG-300T...	5759	TXG-300P...	7998	TXG-300D...	10307	DEY-300ES	998
4.0	-	-	TXG-400T...	5906	-	-	TXG-400D...	10418	DEY-400ES	1156
5.5	TXG-550S...	7340	TXG-550T...	6196	-	-	TXG-550D...	10667	DEY-550ES	1118

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



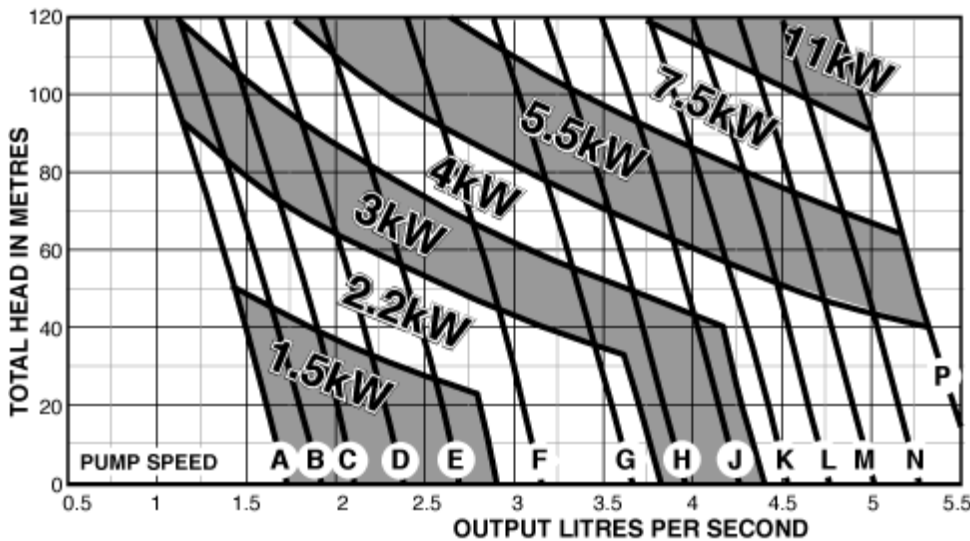
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

**FLOWS 1 TO 5
LITRES PER SEC.
HEADS TO 120 M
MODEL TDG**

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 3.5 litres per second @ 60 metres head – **4kW**
2. Select the speed line (A to P) closest to the point selected. Example – **H**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for diesel engine unit to pump 3.5 litres per second @ 60 metres – **TDG-400DH**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	500	550	650	700	800	960	1100	1200	1250	1350	1450	1500	1600	1650

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	1.5	3.0	3.5	4.0	4.5	5.0
SUCTION HEAD - Metres	7.5	7.0	6.0	5.5	4.0	3.5

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE					
	SINGLE PHASE	THREE PHASE	ENGINE		MANUAL START		EXTRA FOR ELECTRIC START			
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
1.5	TDG-150S...	6049	TDG-150T...	5611	TDG-150P...	6679	TDG-150D...	11207	DEY-150ES	998
2.2	TDG-220S...	6092	TDG-220T...	5669	TDG-220P...	6679	TDG-220D...	11207	DEY-220ES	998
3.0	TDG-370S...	6427	TDG-300T...	5732	TDG-300P...	6679	TDG-300D...	11207	DEY-300ES	998
4.0	-	-	TDG-400T...	5784	-	-	TDG-400D...	11320	DEY-400ES	1156
5.5	-	-	TDG-550T...	5870	-	-	TDG-550D...	11568	DEY-550ES	1118
7.5	-	-	TDG-750T...	5983	-	-	TDG-750D...	14964	STANDARD	-
11	-	-	TDG-1100T...	6251	-	-	TDG-1100D...	17252	STANDARD	-

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



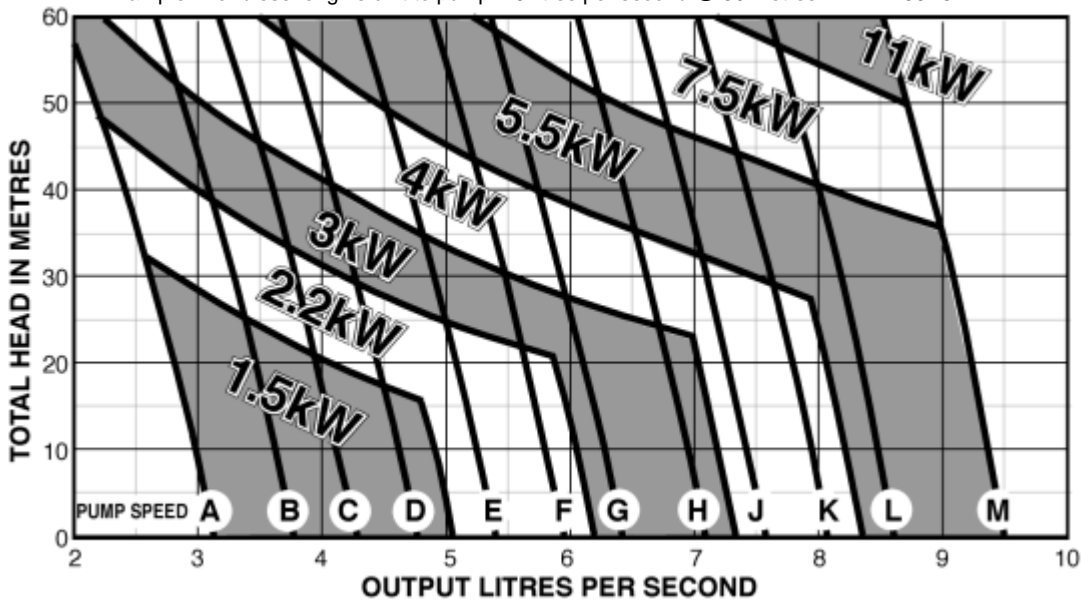
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **3 TO 9**
LITRES PER SEC.
HEADS TO **60 M**
MODEL TXH

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 7.0 litres per second @ 30 metres head – **4kW**
2. Select the speed line (A to M) closest to the point selected. Example – **J**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for diesel engine unit to pump 7.0 litres per second @ 30 metres – **TXH-400DJ**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	470	550	650	750	800	900	960	1050	1150	1200	1300	1450	-	-

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	3.0	4.5	5.5	6.5	8.0	9.0
SUCTION HEAD - Metres	5.0	5.0	4.5	4.0	2.5	1.5

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC				DIESEL ENGINE			
	SINGLE PHASE		THREE PHASE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
1.50	TXH-150S...	8488	TXH-150T...	7600	TXH-150D...	12315	DEY-150ES	998
2.20	TXH-220S...	8560	TXH-220T...	7807	TXH-220D...	12315	DEY-220ES	998
3.00	TXH-370S...	9385	TXH-300T...	7947	TXH-300D...	12315	DEY-300ES	998
4.00	-	-	TXH-400T...	8070	TXH-400D...	12686	DEY-400ES	1156
5.50	TXH-550S...	10456	TXH-550T...	8174	TXH-550D...	14158	DEY-550ES	1118
7.50	-	-	TXH-750T...	8514	TXH-750D...	15613	STANDARD	
11.00	-	-	TXH-1100T...	8750	TXH-1100D...	18176	STANDARD	

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



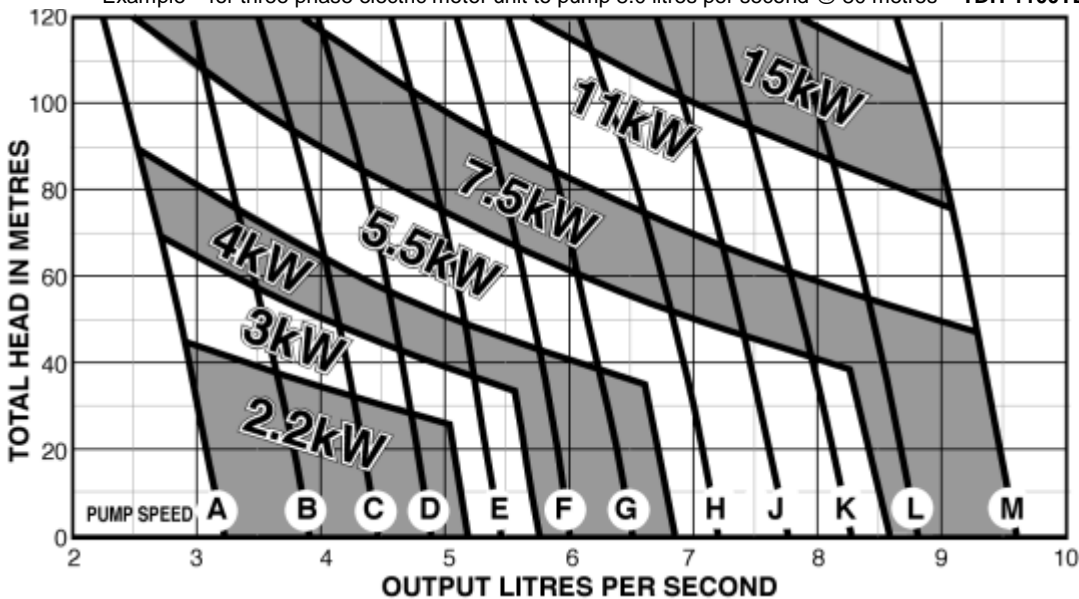
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

**FLOWS 3 TO 9
LITRES PER SEC.
HEADS TO 120 M
MODEL TDH**

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 8.0 litres per second @ 80 metres head – **11kW**
2. Select the speed line (A to M) closest to the point selected. Example – **L**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for three phase electric motor unit to pump 8.0 litres per second @ 80 metres – **TDH-1100TL**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	470	550	650	750	800	900	960	1050	1150	1200	1300	1420	-	-

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	3.0	4.5	5.5	6.5	8.0	9.0
SUCTION HEAD - Metres	8.0	8.0	7.0	6.5	4.5	2.5

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC		DIESEL ENGINE					
	SINGLE PHASE		THREE PHASE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
2.2	TDH-220S...	8757	TDH-220T...	8331	TDH-220D...	13945	DEY-220ES	998
3.0	TDH-370S...	11377	TDH-300T...	8394	TDH-300D...	13945	DEY-300ES	998
4.0	-	-	TDH-400T...	8448	TDH-400D...	14057	DEY-400ES	1156
5.5	TDH-550S...	12449	TDH-550T...	8532	TDH-550D...	14303	DEY-550ES	1118
7.5	-	-	TDH-750T...	8646	TDH-750D...	17700	STANDARD	-
11	-	-	TDH-1100T...	9189	TDH-1100D...	17934	STANDARD	-
15	-	-	TDH-1500T...	9639	P.O.A.	-	STANDARD	-

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



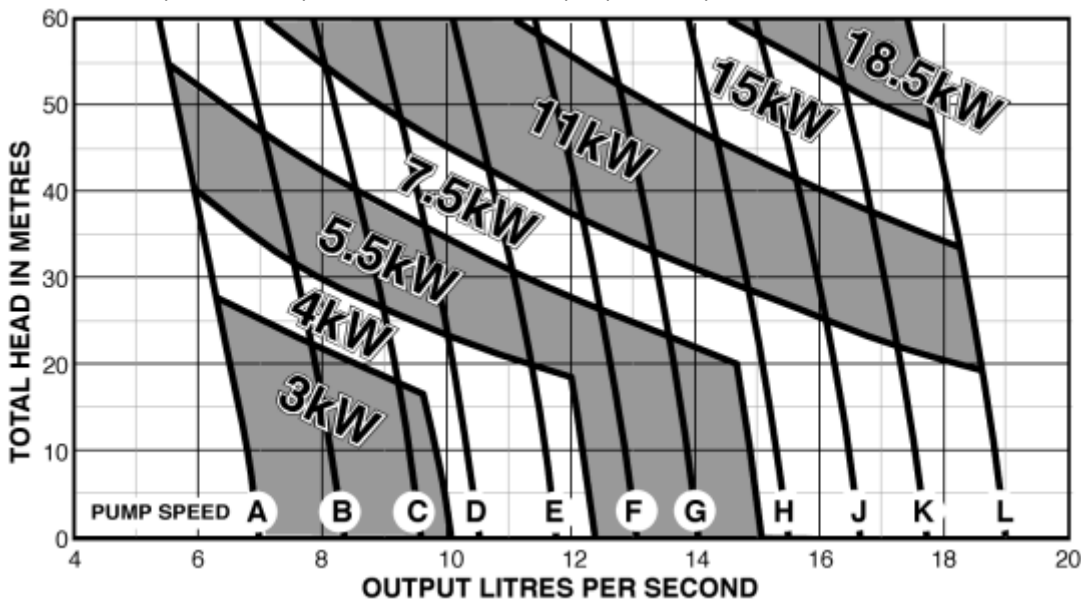
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **6 TO 18**
LITRES PER SEC.
HEADS TO **60 M**
MODEL TXJ

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 16 litres per second @ 50 metres head – **15kW**
2. Select the speed line (A to L) closest to the point selected. Example – **K**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for three phase electric motor unit to pump 16 litres per second @ 50 metres – **TXJ-1500TK**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	470	550	650	750	800	900	960	1050	1150	1200	1300	-	-	-

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	6	9	12	14	16	18
SUCTION HEAD - Metres	6	6	4	3	1	2

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC				DIESEL ENGINE			
	SINGLE PHASE		THREE PHASE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
3.0	TXJ-370S...	11285	TXJ-300T...	10586	TXJ-300D...	16199	DEY-300ES	998
4.0	-	-	TXJ-400T...	10641	TXJ-400D...	16311	DEY-400ES	1156
5.5	TXJ-550S...	12357	TXJ-550T...	10724	TXJ-550D...	16558	DEY-550ES	1118
7.5	-	-	TXJ-750T...	10838	TXJ-750D...	19956		STANDARD
11	-	-	TXJ-1100T...	11107	TXJ-1100D...	22519		STANDARD
15	-	-	TXJ-1500T...	11383		P.O.A.		STANDARD
18.5	-	-		P.O.A.		P.O.A.		STANDARD

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - SURFACE



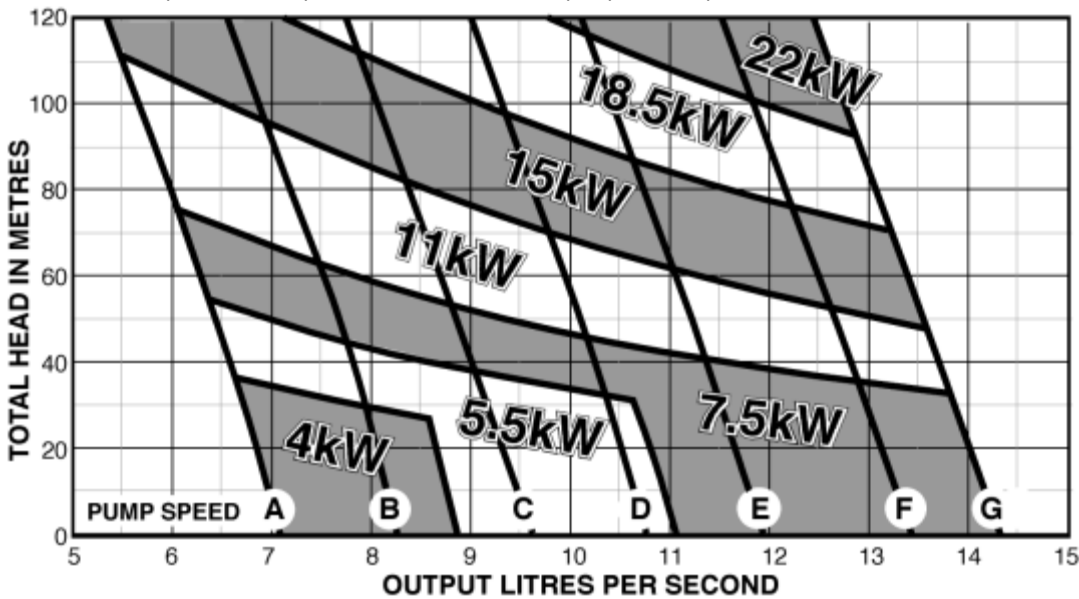
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **6 TO 13**
LITRES PER SEC.
HEADS TO **120 M**
MODEL TDJ

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 12 litres per second @ 80 metres head – **18.5kW**
2. Select the speed line (A to G) closest to the point selected. Example – **F**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for three phase electric motor unit to pump 12 litres per second @ 80 metres – **TDJ-1850TF**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	500	550	650	750	800	900	960	-	-	-	-	-	-	-

SUCTION LIFT

The maximum suction head on water at 20°C and inclusive of foot valve and friction losses should not exceed the heads shown in the table below. For higher suction head select larger pump at a slower speed.

FLOW RATE - Litres per second	6	8	10	11	12	14
SUCTION HEAD - Metres	6.5	6.0	5.5	5.0	4.5	3.0

PRICES FOR COMPLETE UNITS – Comprising :- Pump; Engine with clutch or Electric Motor; Pulleys; Vee Belts; Welded Steel Base and Belt Guard. Assembled and packed for despatch. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC				DIESEL ENGINE			
	SINGLE PHASE		THREE PHASE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	PRICE \$	
4.0	-	-	TDJ-400T...	10281	TDJ-400D...	15941	DEY-400ES	1156
5.5	TDJ-550S...	11104	TDJ-550T...	10365	TDJ-550D...	16189	DEY-550ES	1118
7.5	-	-	TDJ-750T...	10477	TDJ-750D...	19586	STANDARD	
11	-	-	TDJ-1100T...	10746	TDJ-1100D...	19818	STANDARD	
15	-	-	TDJ-1500T...	11023	-	-	STANDARD	
18.5	-	-	P.O.A.	-	-	-	STANDARD	
22	-	-	P.O.A.	-	-	-	STANDARD	

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

HELICAL ROTOR - BOREHOLE

SOUTHERN CROSS "SS & P Series" HELICAL ROTOR - PROGRESSIVE CAVITY

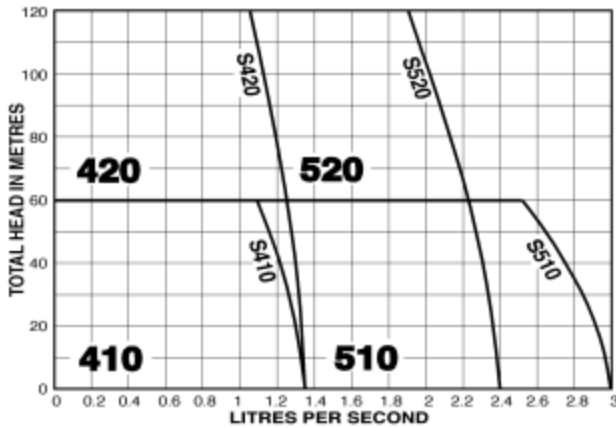


QUICK SELECTION
CHART
"SS SERIES"
HELICAL ROTOR
PUMPS

"SS" SERIES HELICAL ROTOR PUMP ELEMENTS

DISCOUNT CATEGORY A15

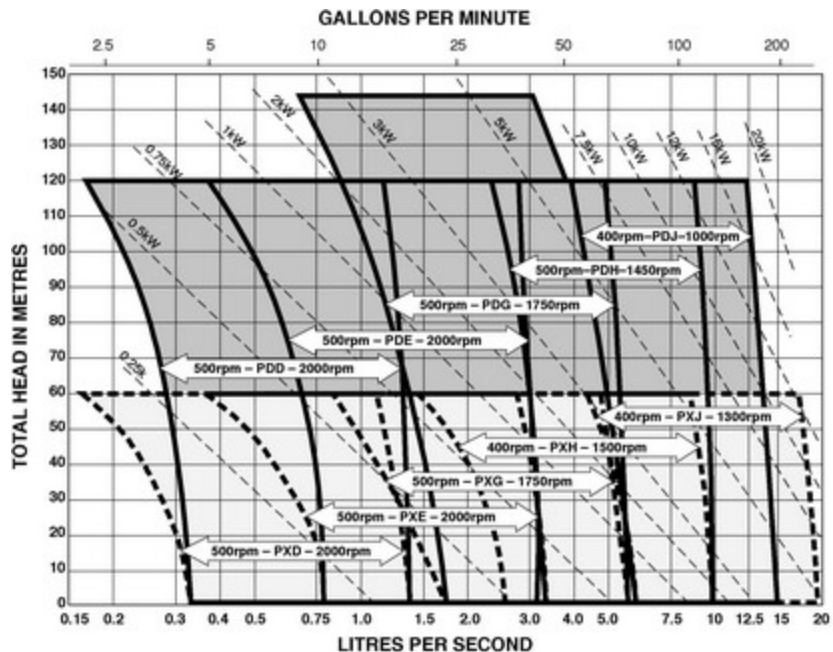
MODEL	SUIT COLUMN AND SHAFT		CODE	PRICE \$
	MM			
SINGLE STAGE - 60M				
SSB410 PUMP ELEMENT	40 X 14		SSB410	1673
SSB510 PUMP ELEMENT	50 X 18		SSB510	1954
TWO STAGE - 120M				
SSB420 PUMP ELEMENT	40 X 14		SSB420	1767
SSB520 PUMP ELEMENT	50 X 18		SSB520	2045



QUICK SELECTION
CHART
"P SERIES"
HELICAL ROTOR
PUMPS

"P" SERIES HELICAL ROTOR PUMP ELEMENTS

MODEL	SUIT COLUMN AND SHAFT		CODE	PRICE \$
	MM			
SINGLE STAGE - 60M				
PXG PUMP ELEMENT	65 X 20		PH233	2893
PXJ PUMP ELEMENT	100 X 25		PH247	6124
TWO STAGE - 120M				
PDE PUMP ELEMENT	50 X 18		PH231	2860
PDG PUMP ELEMENT	65 X 20		PH235	3436
PDH PUMP ELEMENT	80 X 20		PH239	5163
PDJ PUMP ELEMENT	100 X 25		PH251	7592



HELICAL ROTOR - BOREHOLE

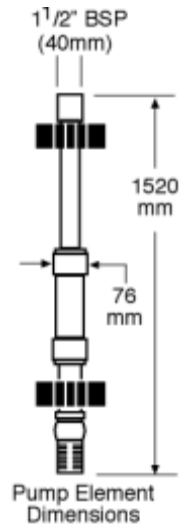
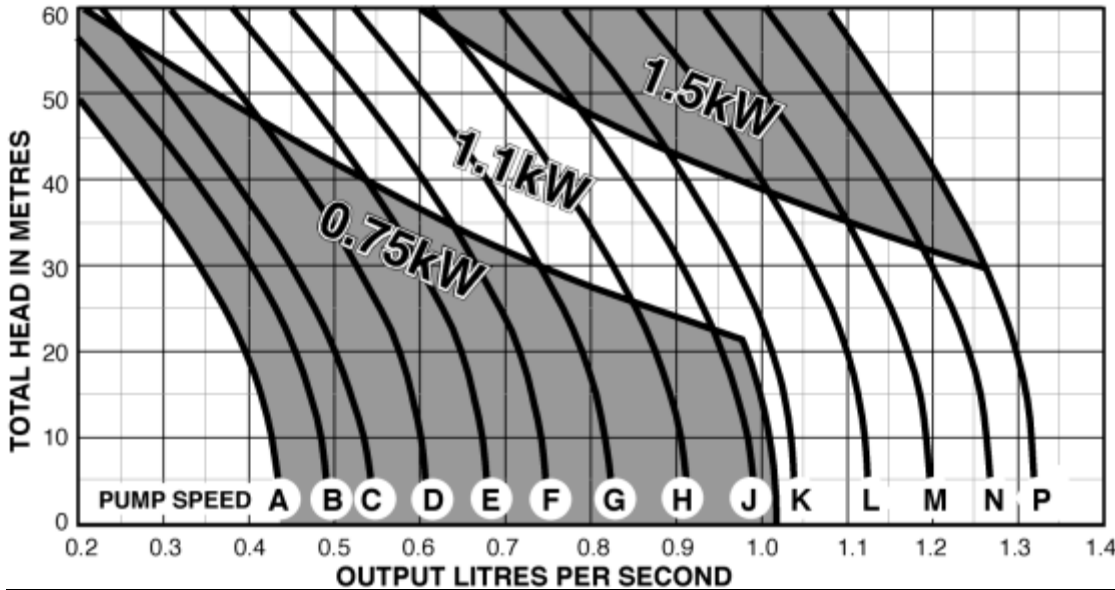
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

1. Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 0.8 litres per second @ 30 metres head – **1.1kW**
2. Select the speed line (A to P) closest to the point selected. Example – **H**
3. The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
4. The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for petrol engine unit to pump 0.8 litres per second @ 30 metres – **B410-110PH**

FLOWS 0.3 TO 1.3 LITRES PER SEC.
HEADS TO 60 M
MODEL SB410



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	1745	1850	1960

MINIMUM INSIDE DIAMETER BORE 100mm. RECOMMENDED COLUMN AND SHAFT SIZE 40mm x 14mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC SINGLE PHASE		ELECTRIC THREE PHASE		PETROL ENGINE		DIESEL ENGINE MANUAL START		DIESEL ENGINE EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
0.75	B410-075S...	4099	B410-075T...	3718	B410-075P...	6720	B410-075D...	9474	DEY-075ES	998
1.1	B410-110S...	4088	B410-110T...	3650	B410-110P...	6720	B410-110D...	9474	DEY-110ES	998
1.5	B410-150S...	4377	B410-150T...	4069	B410-150P...	6720	B410-150D...	9474	DEY-150ES	998

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 40mm X 14mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft 3m	20ft 6m	30ft 9m	40ft 12m	50ft 15m	60ft 18m	70ft 21m	80ft 24m	90ft 27m	100ft 30m	200ft 60m
Code	PH801	PH802	PH803	PH804	PH805	PH806	PH807	PH808	PH809	PH851	PH852
Price \$	396	792	1188	1584	1980	2376	2772	3168	3564	3960	7920

Actual pump suction will be deeper than column and shafting by 2.1 metres.

HELICAL ROTOR - BOREHOLE

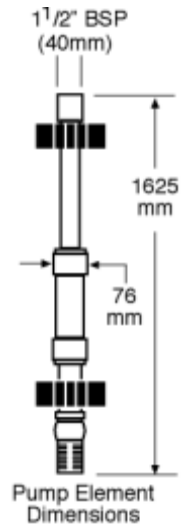
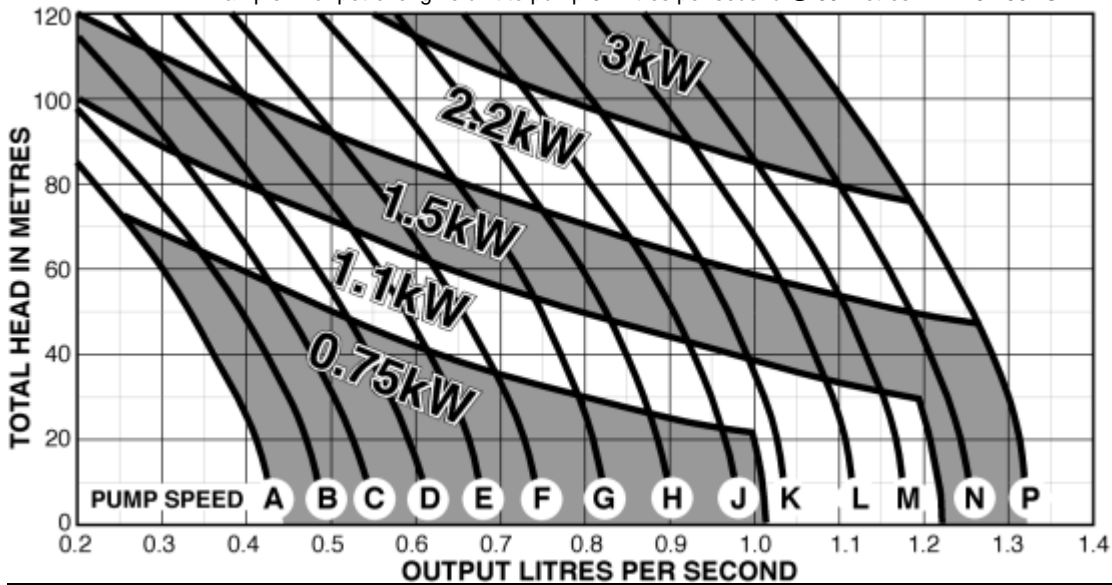
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 0.7 litres per second @ 60 metres head – **1.5kW**
- Select the speed line (A to P) closest to the point selected. Example – **G**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for petrol engine unit to pump 0.7 litres per second @ 60 metres – **B420-150PG**

FLOWS **0.3 TO 1.3**
LITRES PER SEC.
HEADS TO **120 M**
MODEL SB420



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	1745	1850	1960

MINIMUM INSIDE DIAMETER BORE 100mm. RECOMMENDED COLUMN AND SHAFT SIZE 40mm x 14mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC SINGLE PHASE		ELECTRIC THREE PHASE		PETROL ENGINE		DIESEL ENGINE MANUAL START		DIESEL ENGINE EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
0.75	B420-075S...	4220	B420-075T...	3850	B420-075P...	6940	B420-075D...	9335	DEY-075ES	998
1.1	B420-110S...	4320	B420-110T...	4009	B420-110P...	6940	B420-110D...	9335	DEY-110ES	998
1.5	B420-150S...	4610	B420-150T...	4304	B420-150P...	6940	B420-150D...	9335	DEY-150ES	998
2.2	B420-220S...	4845	B420-220T...	4399	B420-220P...	6940	B420-220D...	9335	DEY-220ES	998

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 40mm X 14mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft 3m	20ft 6m	30ft 9m	40ft 12m	50ft 15m	60ft 18m	70ft 21m	80ft 24m	90ft 27m	100ft 30m	200ft 60m	300ft 90m	400ft 120m
Code	PH801	PH802	PH803	PH804	PH805	PH806	PH807	PH808	PH809	PH851	PH852	PH853	PH854
Price \$	396	792	1188	1584	1980	2376	2772	3168	3564	3960	7920	11880	15919

Actual pump suction will be deeper than column and shafting by 2.1 metres.

HELICAL ROTOR - BOREHOLE

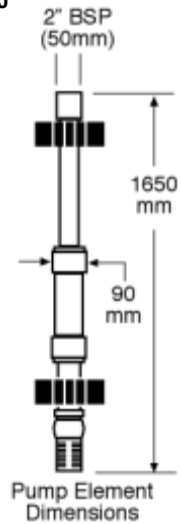
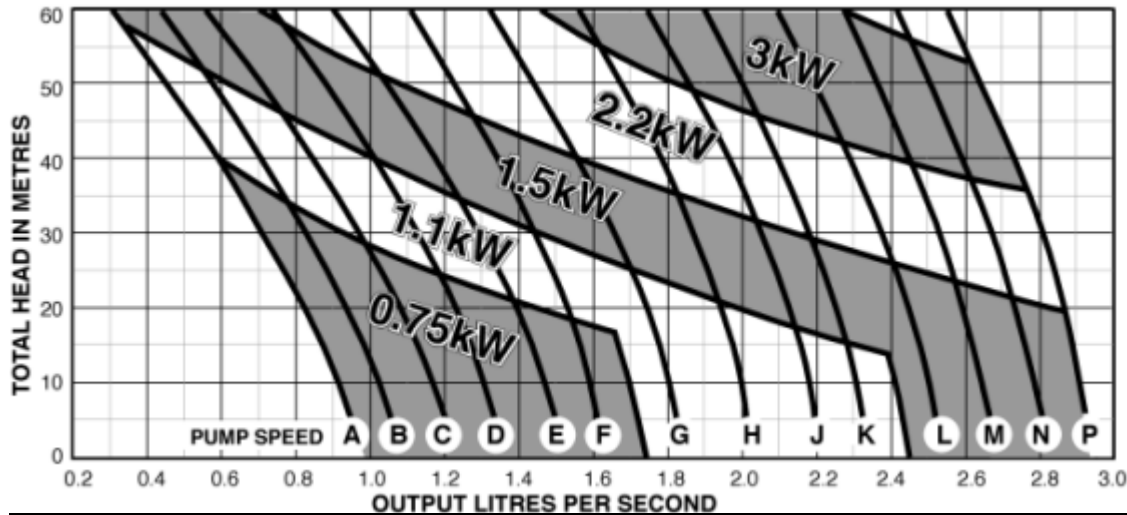
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

FLOWS **0.6 TO 2.8**
LITRES PER SEC.
HEADS TO **60 M**
MODEL SB510

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 2.0 litres per second @ 30 metres head – **1.5kW**
- Select the speed line (A to P) closest to the point selected. Example – **H**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for single phase electric motor unit to pump 2.0 litres per second @ 30 metres – **B510-150SJ**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	1745	1850	1960

MINIMUM INSIDE DIAMETER BORE 120mm. RECOMMENDED COLUMN AND SHAFT SIZE 50mm x 18mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC SINGLE PHASE		ELECTRIC THREE PHASE		PETROL ENGINE		DIESEL ENGINE MANUAL START		DIESEL ENGINE EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
0.75	B510-075S...	4246	B510-075T...	3874	B510-075P...	6992	B510-075D...	9741	DEY-075ES	998
1.1	B510-110S...	4344	B510-110T...	3909	B510-110P...	6992	B510-110D...	9741	DEY-110ES	998
1.5	B510-150S...	5166	B510-150T...	4362	B510-150P...	6992	B510-150D...	9741	DEY-150ES	998
2.2	B510-220S...	5440	B510-220T...	4957	B510-220P...	6992	B510-220D...	10272	DEY-220ES	998
3.0	B510-370S...	6166	B510-300T...	5071	-	-	B510-300D...	10272	DEY-300ES	998

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 50mm X 18mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft 3m	20ft 6m	30ft 9m	40ft 12m	50ft 15m	60ft 18m	70ft 21m	80ft 24m	90ft 27m	100ft 30m	200ft 60m
Code	PH811	PH812	PH813	PH814	PH815	PH816	PH817	PH818	PH819	PH861	PH862
Price \$	451	902	1353	1804	2255	2706	3157	3608	4059	4510	9020

Actual pump suction will be deeper than column and shafting by 2.2 metres.

HELICAL ROTOR - BOREHOLE

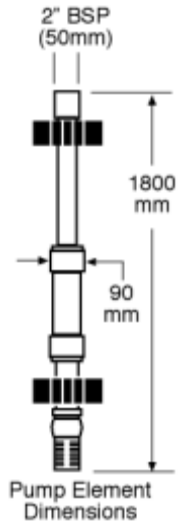
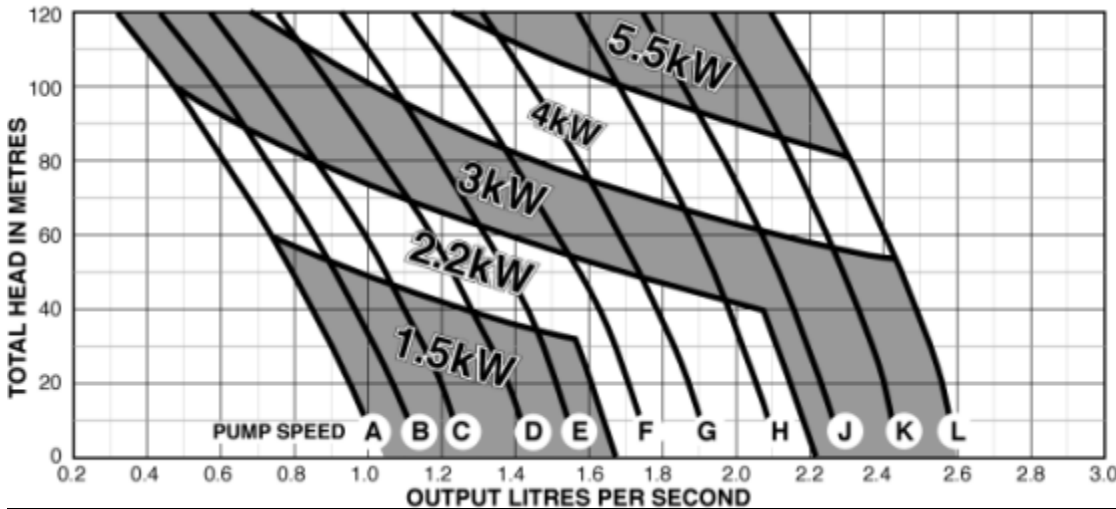
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 2.0 litres per second @ 60 metres – **3kW**
- Select the speed line (A to L) closest to the point selected. Example – **J**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for petrol engine unit to pump 2.0 litres per second @ 60 metres – **B520-300PJ**

FLOWS 0.6 TO 2.5 LITRES PER SEC. HEADS TO 120 M MODEL SB520



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	640	720	800	900	1000	1120	1200	1340	1450	1540	1645	-	-	-

MINIMUM INSIDE DIAMETER BORE 120mm. RECOMMENDED COLUMN AND SHAFT SIZE 50mm x 18mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC SINGLE PHASE		ELECTRIC THREE PHASE		PETROL ENGINE		DIESEL ENGINE MANUAL START		DIESEL ENGINE EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
1.5	B520-150S...	5285	B520-150T...	5328	B520-150P...	7114	B520-150D...	9863	DEY-150ES	998
2.2	B520-220S...	5559	B520-220T...	5424	B520-220P...	7114	B520-220D...	10394	DEY-220ES	998
3.0	B520-370S...	6116	B520-300T...	5537	-	-	B520-300D...	10394	DEY-300ES	998
4.0	-	-	B520-400T...	6184	-	-	B520-400D...	10929	DEY-400ES	1156
5.5	B520-550S...	6609	B520-550T...	6279	-	-	B520-550D...	11233	DEY-550ES	1118

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 50mm X 18mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft	20ft	30ft	40ft	50ft	60ft	70ft	80ft	90ft	100ft	200ft	300ft	400ft
	3m	6m	9m	12m	15m	18m	21m	24m	27m	30m	60m	90m	120m
Code	PH811	PH812	PH813	PH814	PH815	PH816	PH817	PH818	PH819	PH861	PH862	PH863	PH864
Price \$	451	902	1353	1804	2255	2706	3157	3608	4059	4510	9020	13530	18040

Actual pump suction will be deeper than column and shafting by 2.3 metres.

HELICAL ROTOR - BOREHOLE

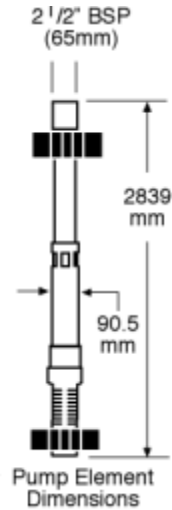
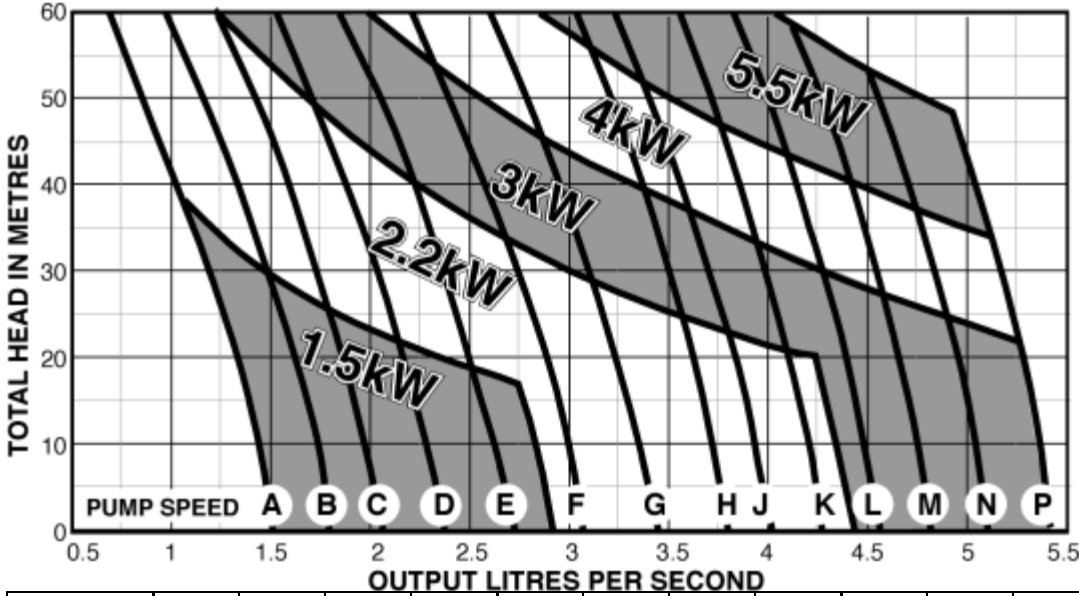
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 4.0 litres per second @ 30 metres head – **3kW**
- Select the speed line (A to P) closest to the point selected. Example – **K**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for diesel engine unit to pump 4.0 litres per second @ 30 metres – **PXG-300DK**

**FLOWS 1 TO 5
LITRES PER SEC.
HEADS TO 60 M
MODEL PXG**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	500	550	650	750	800	960	1100	1200	1250	1350	1450	1500	1600	1650

MINIMUM INSIDE DIAMETER BORE 117mm. RECOMMENDED COLUMN AND SHAFT SIZE 65mm x 20mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE		EXTRA FOR ELECTRIC START			
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$		
1.5	PXG-150S...	5721	PXG-150T...	5402	PXG-150P...	7900	PXG-150D...	10442	DEY-150ES	998
2.2	PXG-220S...	6001	PXG-220T...	5504	PXG-220P...	7900	PXG-220D...	10974	DEY-220ES	998
3.0	PXG-370S...	6577	PXG-300T...	5621	-	-	PXG-300D...	10991	DEY-300ES	998
4.0	-	-	PXG-400T...	6284	-	-	PXG-400D...	11167	DEY-400ES	1156
5.5	PXG-550S...	6577	PXG-550T...	6383	-	-	PXG-550D...	11484	DEY-550ES	1118

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 65mm X 20mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft 3m	20ft 6m	30ft 9m	40ft 12m	50ft 15m	60ft 18m	70ft 21m	80ft 24m	90ft 27m	100ft 30m	200ft 60m
Code	PH821	PH822	PH823	PH824	PH825	PH826	PH827	PH828	PH829	PH871	PH872
Price \$	615	1231	1846	2461	3077	3868	4512	5157	5801	6446	12892

Actual pump suction will be deeper than column and shafting by 3.4 metres.

HELICAL ROTOR - BOREHOLE

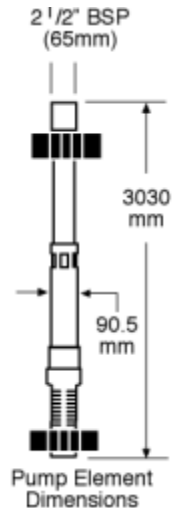
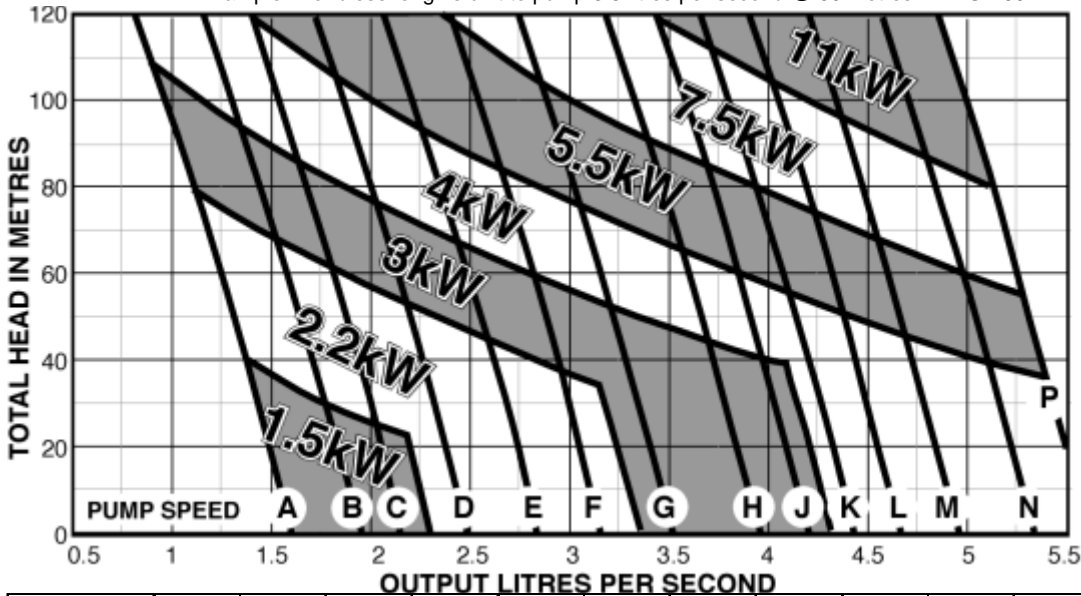
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 3.5 litres per second @ 60 metres head – **4kW**
- Select the speed line (A to P) closest to the point selected. Example – **H**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for diesel engine unit to pump 3.5 litres per second @ 60 metres – **PDG-400DH**

**FLOWS 1 TO 5
LITRES PER SEC.
HEADS TO 120 M
MODEL PDG**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	500	550	650	700	800	960	1100	1200	1250	1350	1450	1500	1600	1650

MINIMUM INSIDE DIAMETER BORE 117mm. RECOMMENDED COLUMN AND SHAFT SIZE 65mm x 20mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC		PETROL ENGINE		DIESEL ENGINE		EXTRA FOR ELECTRIC START	
	SINGLE PHASE	THREE PHASE	MANUAL START	EXTRA FOR ELECTRIC START	CODE	PRICE \$	CODE	PRICE \$
1.5	PDG-150S... 6186	PDG-150T... 5871	PDG-150P... 8305	PDG-150D... 10921	DEY-150ES	998		
2.2	PDG-220S... 6468	PDG-220T... 5970	PDG-220P... 8305	PDG-220D... 11452	DEY-220ES	998		
3.0	PDG-370S... 7042	PDG-300T... 6086	-	PDG-300D... 11452	DEY-300ES	998		
4.0	-	PDG-400T... 6750	-	PDG-400D... 11648	DEY-400ES	1156		
5.5	-	PDG-550T... 7135	-	PDG-550D... 11963	DEY-550ES	1118		
7.5	-	PDG-750T... 7334	-	PDG-750D... 13861	STANDARD			
11	-	PDG-1100T... 8131	-	PDG-1100D... 16646	STANDARD			

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 65mm X 20mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft	20ft	30ft	40ft	50ft	60ft	70ft	80ft	90ft	100ft	200ft	300ft	400ft
Code	PH821	PH822	PH823	PH824	PH825	PH826	PH827	PH828	PH829	PH871	PH872	PH873	PH874
Price \$	615	1231	1846	2461	3077	3868	4512	5157	5801	6446	12892	19338	25784

Actual pump suction will be deeper than column and shafting by 3.6 metres.

HELICAL ROTOR - BOREHOLE

SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

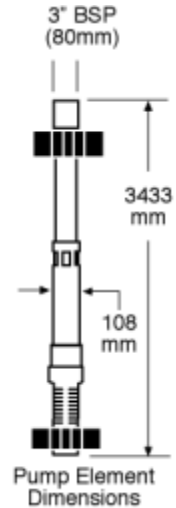
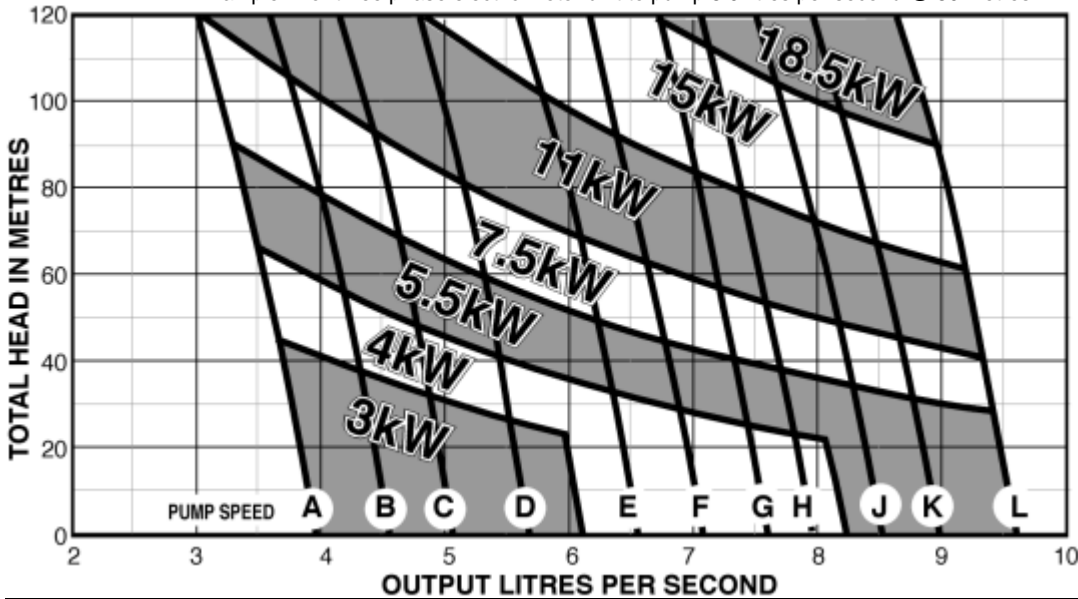
HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 8.0 litres per second @ 80 metres head – **15kW**
- Select the speed line (A to L) closest to the point selected. Example – **J**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.

Example – for three phase electric motor unit to pump 8.0 litres per second @ 80 metres – **PDH-1500TJ**

**FLOWS 3 TO 9.5
LITRES PER SEC.
HEADS TO 120 M
MODEL PDH**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	550	650	750	850	960	1050	1120	1170	1250	1300	1400	-	-	-

MINIMUM INSIDE DIAMETER BORE 136mm. RECOMMENDED COLUMN AND SHAFT SIZE 80mm x 20mm.

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

kW REQUIRED	ELECTRIC				DIESEL ENGINE			
	SINGLE PHASE		THREE PHASE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
3.0	PDH-370S...	9335	PDH-300T...	6717	PDH-300D...	13827	DEY-300ES	998
4.0	-	-	PDH-400T...	9047	PDH-400D...	14005	DEY-400ES	1156
5.5	PDH-550S...	10741	PDH-550T...	9144	PDH-550D...	15414	DEY-550ES	1118
7.5	-	-	PDH-750T...	9626	PDH-750D...	16220		STANDARD
11	-	-	PDH-1100T...	11721	PDH-1100D...	19003		STANDARD
15	-	-	PDH-1500T...	11821		P.O.A.		STANDARD
18.5	-	-	PDH-1850T...	12633		P.O.A.		STANDARD

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 80mm X 20mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft 3m	20ft 6m	30ft 9m	40ft 12m	50ft 15m	60ft 18m	70ft 21m	80ft 24m	90ft 27m	100ft 30m	200ft 60m	300ft 90m	400ft 120m
Code	PH831	PH832	PH833	PH834	PH835	PH836	PH837	PH838	PH839	PH881	PH882	PH883	PH884
Price \$	696	1393	2089	2785	3482	3988	4653	5317	6267	6963	13926	20889	27852

Actual pump suction will be deeper than column and shafting by 4.0 metres.

Prices **DO NOT INCLUDE GST** which will be charged and appear separately on all invoices
Prices are recommended only and there is no obligation to comply with the recommendation

HELICAL ROTOR - BOREHOLE

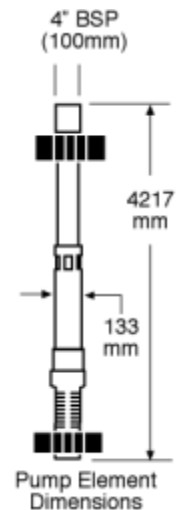
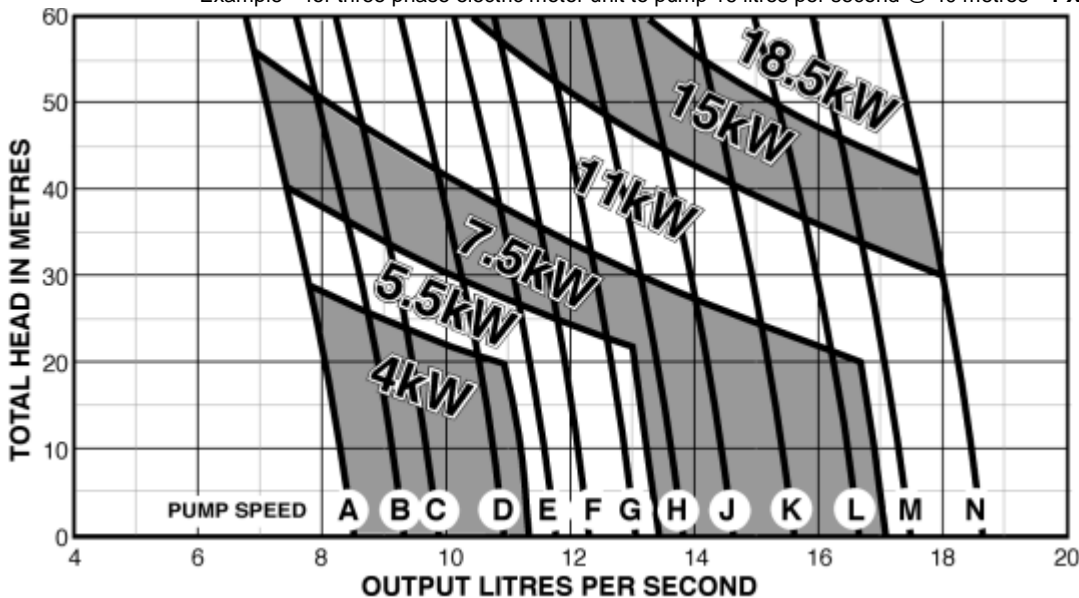
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 16 litres per second @ 40 metres head – **15kW**
- Select the speed line (A to N) closest to the point selected. Example – **L**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for three phase electric motor unit to pump 16 litres per second @ 40 metres – **PXJ-1500TL**

**FLOWS 7 TO 18
LITRES PER SEC.
HEADS TO 60 M
MODEL PXJ**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	550	650	700	750	800	850	900	950	1000	1050	1150	1200	1250	-

MINIMUM INSIDE DIAMETER BORE 175mm. RECOMMENDED COLUMN AND SHAFT SIZE 100mm x 25mm

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC				DIESEL ENGINE			
	SINGLE PHASE		THREE PHASE		MANUAL START		EXTRA FOR ELECTRIC START	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$
4.0	-	-	PXJ-400T...	8546	PXJ-400D...	13493	DEY-400ES	1156
5.5	PXJ-550S...	10241	PXJ-550T...	8645	PXJ-550D...	14902	DEY-550ES	1118
7.5	-	-	PXJ-750T...	9127	PXJ-750D...	15706	STANDARD	
11	-	-	PXJ-1100T...	11221	PXJ-1100D...	20236	STANDARD	
15	-	-	PXJ-1500T...	11322	P.O.A.		STANDARD	
18.5	-	-	PXJ-1850T...	12136	P.O.A.		STANDARD	

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 100mm X 25mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft	20ft	30ft	40ft	50ft	60ft	70ft	80ft	90ft	100ft	200ft
	3m	6m	9m	12m	15m	18m	21m	24m	27m	30m	60m
Code	PH841	PH842	PH843	PH844	PH845	PH846	PH847	PH848	PH849	PH891	PH892
Price \$	917	1835	2752	3670	4587	5504	6422	7339	8257	9174	18348

Actual pump suction will be deeper than column and shafting by 4.8 metres.

HELICAL ROTOR - BOREHOLE

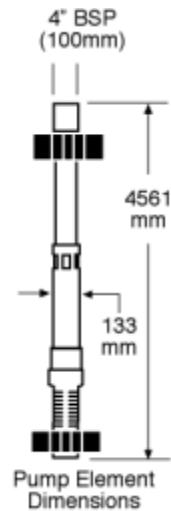
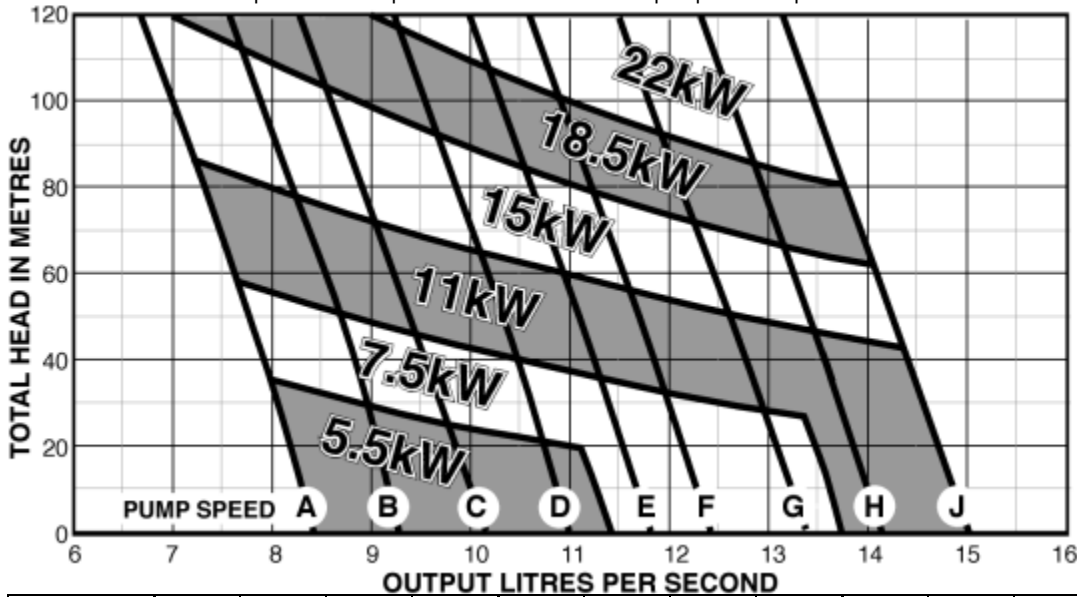
SOUTHERN CROSS HELICAL ROTOR – PROGRESSIVE CAVITY

HOW TO SELECT BELT DRIVEN UNITS

The selection chart below shows the unit performance at a variety of standard speeds.

- Plot the intersection where your required flow and head meet. This gives the kW required.
Example – 12 litres per second @ 80 metres head – **18.5kW**
- Select the speed line (A to J) closest to the point selected. Example – **G**
- The price/code of the unit can then be read from the prices table below by using the selected kW and type of electric motor or engine.
- The price of the unit does not change for various standard speeds but at the time of ordering the selected speed must be specified by adding the required speed indicator to the end of the unit ordering code.
Example – for three phase electric motor unit to pump 12 litres per second @ 80 metres – **PDJ-1850TG**

**FLOWS 7 TO 14
LITRES PER SEC.
HEADS TO 120 M
MODEL PDJ**



Pump Speed	A	B	C	D	E	F	G	H	J	K	L	M	N	P
RPM	550	650	700	750	800	850	900	950	1000	-	-	-	-	-

MINIMUM INSIDE DIAMETER BORE 175mm. RECOMMENDED COLUMN AND SHAFT SIZE 100mm x 25mm

PRICE FOR COMPLETE UNITS (Less Column and Shafting)

Electric Units Comprise – Pump Element (as dimensioned above); Discharge Head; Belt Drive Head; Electric Motor with Mounting Plate; Canopy/Belt Guard; Pulleys and Vee Belts.

Engine Units Comprise – Pump Element; Discharge Head and Sub-base; Belt Drive Head; Engine with Centrifugal Clutch, Pulleys and Vee Belts; Engine Sub-base and Installation Jig. **Note!** A Belt Guard is not provided for engine ¼ twist belt drive. For Electric Start, add Code and Price.

DISCOUNT CATEGORY A15

KW REQUIRED	ELECTRIC		DIESEL ENGINE		EXTRA FOR ELECTRIC START		
	SINGLE PHASE	THREE PHASE	MANUAL START	EXTRA FOR ELECTRIC START	CODE	PRICE \$	
	CODE	PRICE \$	CODE	PRICE \$	CODE	PRICE \$	
5.5	PDJ-550S...	11571	PDJ-550T...	9973	PDJ-550D...	15176	DEY-550ES 1118
7.5	-	-	PDJ-750T...	10456	PDJ-750D...	17074	STANDARD
11	-	-	PDJ-1100T...	12553	PDJ-1100D...	21601	STANDARD
15	-	-	PDJ-1500T...	12652	-	-	STANDARD
18.5	-	-	PDJ-1850T...	14280	-	-	STANDARD
22	-	-	PDJ-2200T...	15094	-	-	STANDARD

OPTIONAL ENGINE AND PUMP PROTECTION PANELS FOR USE WITH ELECTRIC START DIESEL UNITS (WEATHERPROOF PANELS)

DESCRIPTION	CODE	PRICE \$
STANDARD PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure	DUP-T11	1750
AUTO-START PANEL - Low Oil Pressure, High Water Temp, Fan Belt Breakage, 99.9hr Time Clock, High/Low Pump Pressure, Auto-Start, 7 Day/24 Hr Programmable Timer	DUP-T03	4377

PRICES FOR COLUMN AND SHAFTING Size 100mm X 25mm

Heavy wall galvanized column with parallel threads. Price includes one stabiliser for every 6 metres of column pipe.

Column Length	10ft 3m	20ft 6m	30ft 9m	40ft 12m	50ft 15m	60ft 18m	70ft 21m	80ft 24m	90ft 27m	100ft 30m	200ft 60m	300ft 90m	400ft 120m
Code	PH841	PH842	PH843	PH844	PH845	PH846	PH847	PH848	PH849	PH891	PH892	PH893	PH894
Price \$	917	1835	2752	3670	4587	5504	6422	7339	8257	9174	18348	27522	36696

Actual pump suction will be deeper than column and shafting by 5.1 metres.

HELICAL ROTOR - BOREHOLE

SOUTHERN CROSS "P Series" HELICAL ROTOR BOREHOLE PUMP UNITS



RIGHT ANGLE GEAR DRIVE PUMPHEAD MODULE DISCOUNT CATEGORY A15

PUMP SIZE	COLUMN SIZE	RATIO	CODE	PRICE \$
PDH	80x20	2:1	PH019B	10638
PDJ (To 80m Head)	100X25	2:1	PH019D	11183
Top Shaft Package			PH330	1365

Geardrive Kit Includes:-

Right Angle Drive
Adaptor Parts (Where applicable)
Discharge Head
Top Drive Shaft
Shaft Adaptors

BELT DRIVE HEADS AND DISCHARGE HEADS

TO SUIT PUMPS SB410, SB420, SB510 AND SB520



DESCRIPTION	PACK SIZE	CODE	PRICE \$
PFB Vertical Belt Drive Head less Pulley - Complete w ith Top Drive Shaft and Discharge Head w ith fittings to suit 40 x 14mm and 50 x 18mm Column & Shaft	1	PH340	1889
Top Shaft	1	PH555	205
Motor Mounting Plate w/- Canopy	1	PH341	966
Pulleys to suit PFB Head			
5 5/8" PCD x 2A Vee Pulley	1	PH600	289
6" PCD x 2A Vee Pulley	1	PH605	289
6 1/2" PCD x 2B Vee Pulley	1	PH601	289
7" PCD x 3A Vee Pulley	1	PH606	289
Pump model	SUIT COLUMN & SHAFT MM		
SINGLE STAGE - 60M			
SB410 PUMP ELEMENT	40 X 14		
SB510 PUMP ELEMENT	50X 18		
TWO STAGE - 120M			
SB420 PUMP ELEMENT	40 X 14		
SB520 PUMP ELEMENT	50X 18		

HELICAL ROTOR - BOREHOLE

SOUTHERN CROSS "SSB" AND "P Series" HELICAL ROTOR BOREHOLE PUMP UNITS - COLUMN COMPONENTS

TO SUIT PUMPS SSB520 ABOVE 4kW, PXG, PDG, PDH UP TO 7.5kW AND PXJ UP TO 7.5kW

DISCOUNT CATEGORY A15



DESCRIPTION	PACK SIZE	CODE	PRICE \$
PFD Vertical Belt Drive Head less Pulley - Complete w ith Top Drive Shaft and Discharge Head w ith fittings to suit either 50 x 18mm or 65 x 20mm Column & Shaft	1	PH342	1706
Top Shaft	1	PH317	215
PFD Vertical Belt Drive Head less Pulley - Complete w ith Top Drive Shaft and Discharge Head w ith fittings to suit either 80 x 20mm or 100 x 25mm Column & Shaft	1	PH343	3688
Top Shaft	1	PH317	215
Motor Mounting Plate w /- Canopy	1	PH345	1463
Pulleys to suit PFD Head			
6 1/2" PCD x 2B Deep Groove Vee Pulley	1	PH032	473
9" PCD x 2B Deep Groove Vee Pulley	1	PH033	473
12" PCD x 2B Deep Groove Vee Pulley	1	PH012	473
6" PCD x 4A Vee Pulley	1	PH007	473
12" PCD x 3A Vee Pulley	1	PH008	473

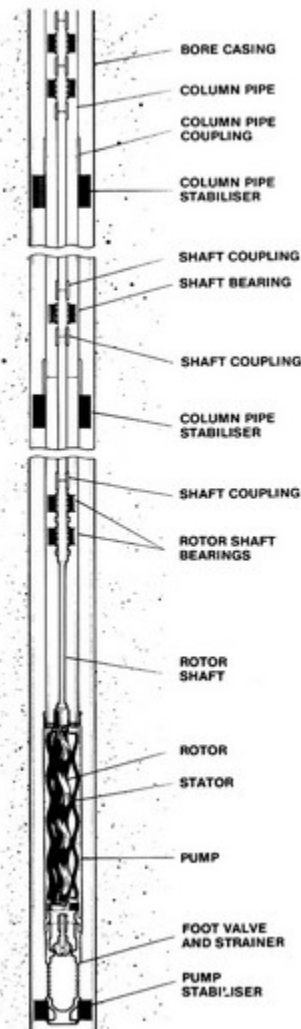
TO SUIT PUMPS PDH ABOVE 7.5kW, PXJ ABOVE 7.5kW AND PDJ

PFF Vertical Belt Drive Head less Pulley - Complete w ith Top Drive Shaft and Discharge Head w ith fittings to suit either 80 x 20mm or 100 x 25mm Column & Shaft	1	PH344	5914
Top Shaft	1	PH322	344
Motor Mounting Plate w /- Canopy	1	PH346	1953
Pulleys to suit PFF Head			
10 5/8" PCD x 4B Deep Groove Vee Pulley	1	PH057	473
9 1/2" PCD x 4B Vee Pulley	1	PH058	473
12 1/2" PCD x 5B Vee Pulley	1	PH059	473

PUMP MODEL	SUIT COLUMN & SHAFT mm
SINGLE STAGE - 60M	
PXG PUMP ELEMENT	65 X 20
PXJ PUMP ELEMENT	100X 25
TWO STAGE - 120M	
PDE PUMP ELEMENT	50 X 18
PDG PUMP ELEMENT	65 X 20
PDH PUMP ELEMENT	80 X 20
PDJ PUMP ELEMENT	100X 25

HELICAL ROTOR - BOREHOLE

SOUTHERN CROSS "SSB" AND "P Series" HELICAL ROTOR BOREHOLE PUMP UNITS - COLUMN COMPONENTS



40 X 14MM COLUMN & SHAFTING

DISCOUNT CATEGORY A15

DESCRIPTION	PACK SIZE	CODE	PRICE \$
3m X 40mm Column Pipe & Coupling	1	PH274B	138
Stabilizer - up to 156mm	1	PFT007	51
Stabilizer - up to 206mm	1	PFT015B	71
Drive Shaft Bearing	1	NZT004	24
Drive Shaft Journal	1	NZT006	24
Drive Shaft 1414 x 14mm & Couplings	1	PH100B	65
Drive Shaft Coupling	1	NZT002	30

50 X 18MM COLUMN & SHAFTING

3m X 50mm Column Pipe & Coupling	1	PH275B	171
Stabilizer	1	PFV007	55
Drive Shaft Bearing	1	NZV004	28
Drive Shaft Journal	1	NZV006	28
Drive Shaft 1397 x 18mm & Couplings	1	PH110B	81
Drive Shaft Coupling	1	NZV002	46

65 X 20MM COLUMN & SHAFTING

3m X 65mm Column Pipe & Coupling	1	PH276B	278
Stabilizer	1	PFW007	59
Drive Shaft Bearing	1	NZW004	35
Drive Shaft Journal	1	NZW006	37
Drive Shaft 1383 x 20mm & Couplings	1	PH120B	112
Drive Shaft Coupling	1	NZW002	49

80 X 20MM COLUMN & SHAFTING

3m X 80mm Column Pipe & Coupling	1	PH277B	305
Stabilizer	1	PFX007	76
Drive Shaft Bearing	1	NZX004	32
Drive Shaft Journal	1	NZW006	37
Drive Shaft 1383 x 20mm & Couplings	1	PH120B	112
Drive Shaft Coupling	1	NZW002	49

100 X 25MM COLUMN & SHAFTING

3m X 100mm Column Pipe & Coupling	1	PH278B	356
Stabilizer	1	PFY007	101
Drive Shaft Bearing	1	NZY004	61
Drive Shaft Journal	1	NZY006	51
Drive Shaft 1362 x 25mm & Couplings	1	PH134B	179
Drive Shaft Coupling	1	NZY002	51

SHAFT ADAPTORS

METRIC TO IMPERIAL SHAFT ADAPTOR COUPLINGS

DESCRIPTION	PACK SIZE	CODE	PRICE \$
14mm to 1/2" Shaft Adaptor	1	NZT017	134
18mm to 3/4" Shaft Adaptor	1	NZV017	145
20mm to 3/4" Shaft Adaptor	1	NZW017	156
25mm to 1" Shaft Adaptor	1	NZY017	167

LUBRICANTS AND SEALERS

LUBRICANTS AND SEALERS

DESCRIPTION	PACK SIZE	CODE	PRICE \$
Rubber Grease 500g	1	XPT182	32
Hydroseal 1 Litre	1	XPT184	29