

# 4" 6"

**DYNATECH**  
Australia

## Oil Filled Motors

### Technical Features

- » Class F insulation and IP 58 protection
- » High motor efficiency
- » Environmental friendly as the motor is filled with special food grade white oil
- » Easy disassembly and rewindability
- » Motor casing, shaft and bottom end made in stainless steel
- » High resistance cast iron nickel plated upper bracket
- » Axial and radial thrust ball bearing
- » Graphite – ceramic standard mechanical seal
- » Oversized compensation diaphragm and sand slinger protection
- » NEMA standard coupling dimensions
- » Maximum voltage fluctuation: +6% and -10%
- » Maximum water temperature: 40°C with at least 0.08 m/s of water flow speed
- » Maximum motor starting per hour: 30
- » The motors come with cable length of either 1.75 m, 2.5 m or 4 m



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50Hz		4" Single Phase Motor - 50Hz -											
		Thrust Load	Weight	H	KW	Hp	In	Istart	RPM	Cos	Ts/Tn	EFF%	Fμ
		N	kg	mm			Amp						
Single Phase 220/230V 50Hz	PRS	1500	7	325	0.37	0.5	3.4/3.6	10.2	2860	0.94	0.75	53	20
	PRS		7.6		0.55	0.75	4.2/4.5	13.6	2855	0.94	0.63	61	25
	PRS		8.7	350	0.75	1	5.8/6.0	18.5	2855	0.96	0.62	63	35
	PRS		10.3	385	1.1	1.5	8.0/8.2	26	2855	0.97	0.62	67	40
	PRS		12	420	1.5	2	10.8/11.0	34	2855	0.98	0.62	65	60
	PRS	1500	14.2	470	2.2	3	14.6/14.8	48	2820	0.96	0.64	68	80

50Hz		4" Three Phase Motor - 50Hz -										
		Thrust Load	Weight	H	KW	Hp	In	Istart	RPM	Cos	Ts/Tn	EFF%
		N	kg	mm			Amp					
380/400V50Hz	PRT	1500	6.5	325	0.37	0.5	1.4/1.6	5	2840	0.72	2.8	58
	PRT		7		0.55	0.75	1.9/2.0	7	2830	0.75	3.1	62
	PRT		7.6		0.75	1	2.4/2.6	10	2830	0.74	3.3	67
	PRT		8.7	350	1.1	1.5	3.2/3.4	14	2820	0.74	3.2	67
	PRT		10.4	385	1.5	2	4.4/4.6	17	2820	0.72	3.4	68
Three Phase	PRT	1500	12	420	2.2	3	6.0/6.2	24	2820	0.76	3.1	74
	PRTM	2500	14.2	470			6.0/6.2	24	2820	0.76	3.1	74
	PRT	2500	11.9	418	3	4	7.7/7.8	30	2860	0.80	2.8	78
	PRTM	4400	19	550			7.9/8.0	34	2860	0.78	3.5	75
	PRT	2500	13.4	468	4	5.5	9.7/9.8	45	2825	0.82	3.0	78
	PRTM	4400	20.5	580			10.0/10.2	47	2840	0.78	3.5	75
	PRT	2500	15.5	538	5.5	7.5	13.5/13.8	55	2820	0.83	3.0	78
	PRTM	4400	22.4	650			14.0/14.4	58	2830	0.79	3.5	76
	PRTM	4400	27	810	7.5	10	19.0/19.5	72	2820	0.78	3.2	76

50Hz		Three Phase 6" Motor - 50Hz -									
		Thrust Load	Weight	H	KW	Hp	In	RPM	Cos	EFF%	Ts/Tn
		N	Kg	mm			Amp				
380/400V50Hz	XY	10000	32	540	4	5.5	8.8	2860	0.82	76	2.4
	XY	10000	40	570	5.5	7.5	12.5	2860	0.82	78	3.0
	XY	10000	42	600	7.5	10	16.9	2860	0.82	77	2.5
	XY	10000	45	600	9.3	12.5	21.5	2860	0.81	80	2.4
	XY	10000	48	700	11	15	23.7	2860	0.83	83	2.4
	XY	10000	50	700	12.8	17.5	27.8	2850	0.84	82	2.4
	XY	10000	54	760	15	20	30.4	2840	0.85	82	2.5
	XY	10000	65	830	18.5	25	38.8	2850	0.85	82	2.1
	XY	10000	70	890	22	30	44.0	2850	0.86	83	2.0
	XY	20000	90	1030	30	40	62.0	2860	0.86	86	2.0

**Dynatech Pumps International Pty Ltd.**

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