



EBARA

LENNTECH
WATER TREATMENT SOLUTIONS

60Y
6" OIL FILLED SUBMERSIBLE MOTORS



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info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289

6" SUBMERSIBLE MOTORS

oil filled



TECHNICAL DATA

- Maximum voltage variation from nominal: $\pm 10\%$
- Maximum ambient temperature: 35°C
minimum cooling flow rate 0,16 m/sec
- Maximum starts/hr: 30 for DOL motors and 15 for Star - Delta
- Axial thrust:
 - 1500 N from 0,37 kW up to 2,2 kW
 - 2500 N from 2,2 kW up to 5,5 kW
 - 5000 N from 2,2 kW up to 5,5 kW
 - 4400 N from 2,2 kW up to 7,5 kW
- Maximum installation depth: 150 m
- Horizontal operation: allow up to 15 kW

TECHNICAL CHARACTERISTICS

- Jacket, shaft and buttom patch in stainless steel AISI 304
option: AISI 316
- High resistance upper bracket in nickel cast iron
option: AISI 304 or AISI 316
options: printed brass alloy bracket – microcast stainless steel AISI 304/316 bracket
- Axial and radial bearings
- Mechanical seal Carbon/Ceramic
option: SiC-SiC/SiC-Al
- No-toxic cooling liquid FDA approved
- Compensation diaphragm and sand protection properly sized according to pump size
- Extractable connection cable
- Rewindable
- Standard NEMA connection
- Insulation class: F
- Protection degree: IP 58

Supply cable



60Y

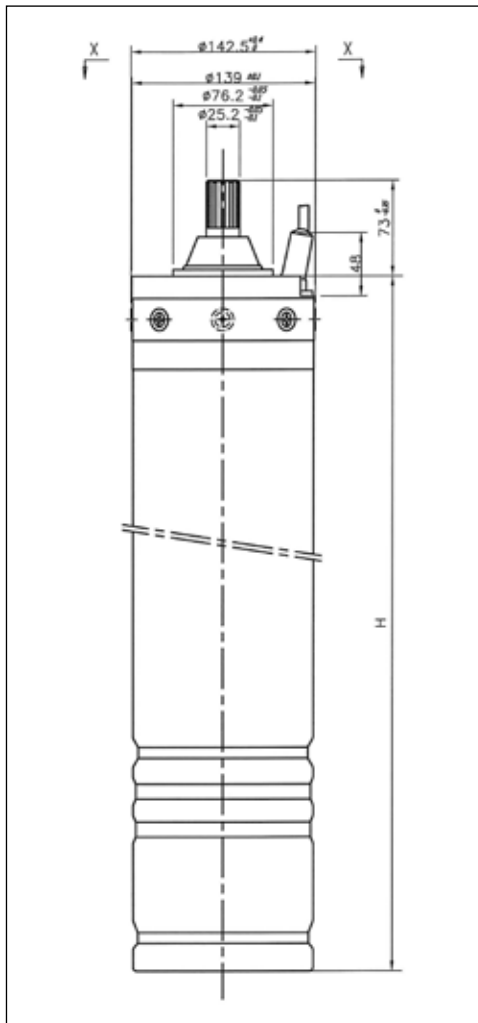
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TECHNICAL DATA - 60Y three phase 50Hz

50Hz	Model	Thrust N	Weight kg	H mm	kW	P ₂	HP	I _n Amp	I _{max}	rpm	Cosφ	Eff%	T _g /T _n	I _{start} A
400V Trifase	60YT HP 5,5	5000/10000	32	540	4		5,5	8,8	9,8	2860	0,82	76	2,4	45
	60YT HP 7,5	5000/10000	40	570	5,5		7,5	12,5	13,9	2860	0,82	78	3,0	64
	60YT HP 10	10000	42	600	7,5		10	16,9	18,8	2860	0,82	77	2,5	78
	60YT HP 12,5	10000	45	600	9,2		12,5	21,5	23,9	2860	0,81	80	2,4	95
	60YT HP 15	10000	48	700	11		15	23,7	26,3	2860	0,83	83	2,4	121
	60YT HP 17,5	10000	50	700	12,8		17,5	27,8	29,7	2850	0,84	82	2,4	145
	60YT HP 20	10000	54	760	15		20	30,4	32,5	2840	0,85	82	2,5	160
	60YT HP 25	10000	65	830	18,5		25	38,3	41,0	2850	0,85	82	2,1	225
	60YT HP 30	10000	70	890	22		30	44,0	47,1	2850	0,86	83	2,0	250
	60YT HP 40	20000	90	1030	30		40	62,0	66,3	2860	0,86	86	2,0	330
	60YT HP 50	20000	101	1170	37		50	72,0	77,0	2860	0,87	86	2,0	400

DIMENSIONS - 60Y 50Hz



DIMENSIONS TABLE - 60Y 50Hz

Type	kW	HP	Thrust N	H mm	Sez.	Cavo A	B	Weight kg
60YT HP 5,5	4	5,5	10,000	540	4	6,5	20,5	32
60YT HP 7,5	5,5	7,5	10,000	570	4	6,5	20,5	33
60YT HP 10	7,5	10	10000	600	4	6,5	205	36
60YT HP 12,5	9,2	12,5	10000	600	4	6,5	205	39
60YT HP 15	11	15	10000	700	4	6,5	205	42
60YT HP 17,5	12,8	17,5	10000	700	4	6,5	205	50
60YT HP 20	15	20	10000	760	4	6,5	205	48
60YT HP 25	18,5	25	10000	825	6	7	23,5	65
60YT HP 30	22	30	10000	887	6	7	23,5	70,5
60YT HP 40	30	40	20000	1030	8	8	27,5	90
60YT HP 50	37	50	20000	1170	8	8	27,5	101

CABLE SELECTION - e.g.: 7,5 kW motor - 400V three phase - cable lenght 53 m = 4x2,5 mm²

Motor	HP	kW	Cable type						
			4x2,5	4x4	4x6	4x10	4x16	4x25	4x35
6" Three phase 400V	5,5	4	110	160	250	400	-	-	-
	7,5	5,5	68	108	161	265	415	-	-
	10	7,5	53	84	126	207	325	-	-
	12,5	9,2	44	70	104	171	267	413	-
	15	11	-	59	87	144	223	347	548
	20	15	-	-	65	107	167	258	350
	25	18,5	-	-	-	87	136	210	295
	30	22	-	-	-	75	117	181	246
	40	30	-	-	-	-	110	180	235

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