



L6W - L8W - L10W - L12W Series

LOWARA REWINDABLE MOTORS

Lowara Rewindable Motors

Diameters 6" to 12"

L6W-L8W-L10W-L12W

The choice of materials and the robust design ensures optimum operating performance, superior quality, reliability and ease of installation.

Superior thrust bearing design: performances higher than NEMA Standard

Bidirectional motor operation at maximum Thrust

Protection class: IP68

WRAS (Water Regulation Advisory Scheme - BS 6920) and ACS (Attestation de conformité sanitaire) approved cable

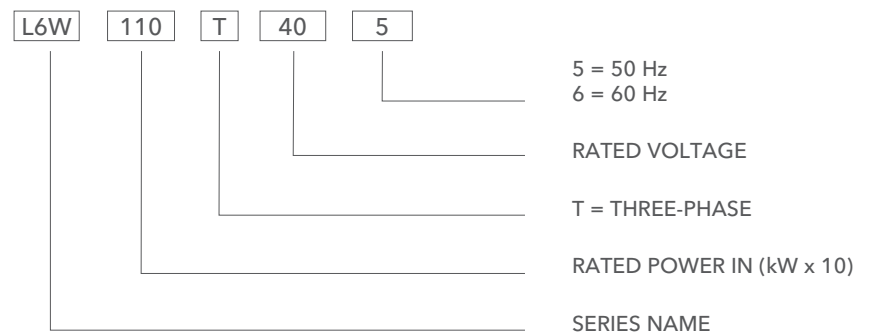
Rewindable stator

Different versions and voltages available on request

Versions.

6" from 4 kW to 37 kW
 8" from 30 kW to 93 kW
 10" from 93 kW to 150 kW
 12" from 185 kW to 300 kW

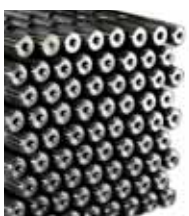
Identification code.



EXAMPLE: L6W110T405

L6W MOTOR:

RATED POWER 11 KW; THREE-PHASE; RATED VOLTAGE 400 V; 50 HZ



Specifications.

Shaft extension and coupling dimensions:
6"-8" according to NEMA standards,
10"-12" see technical documentation.

Class Y insulation

Protection class IP68

Diaphragm to compensate outside
pressure

Pressure relief valve for internal liquid
expansion without allowing external water
entering in the motor

Kingsbury bi-directional axial thrust
bearing.

The thrust bearing is designed to support
the maximum axial thrust of the pump
in the worst conditions:

6" up to 22 kW 16000 N

6" from 26 kW to 37 kW 30000 N

8" 50000 N

10" and 12" 65000 N

Horizontal and vertical installation*

High sand proof suitability
with sand guard and mechanical seal:
Carbon/Ceramic mech.seal as standard
Silicon carbide/Silicon carbide on request

Maximum immersion depth: 350 m

Maximum number of starts per hour
evenly distributed:

15 (6"), 10 (8"), 8 (10"), 4 (12")

Maximum allowed line voltage
fluctuation:

Rated voltage \pm 10%

Suitable to operate with Variable
Frequency Drive*

Available on request:

- High temperature "HT"
- Sic/Sic mech seal
- Different materials
- PT100/PTC



* See the limits reported in the instruction manual.

L6W Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE	OPERATING CHARACTERISTICS AT RATED POWER						DIRECT START		MAX WATER TEMPERATURE	CABLE TYPE		
	kW	HP		RATED CURRENT	rpm	η %	cos φ	Ts/Tn*	Is/In	Sec. (mm ²)					
										A	°C		DOL	Y/D	L (m)
L6W40T405	4	5,5	380	9,89	2835	68,1	0,9	1,00	3,56	30	4	-	4		
			400	9,26	2865	71,0	0,88	1,13	4,00						
			415	9,13	2880	71,5	0,85	1,21	4,20						
L6W55T405	5,5	7,5	380	12,7	2855	75,4	0,88	1,18	4,37	30	4	4	4		
			400	12,4	2875	75,7	0,85	1,31	4,70						
			415	12,5	2885	75,4	0,82	1,42	4,85						
L6W75T405	7,5	10	380	17,0	2840	74,9	0,9	1,26	4,34	30	4	4	4		
			400	16,4	2860	76,0	0,87	1,41	4,74						
			415	16,2	2875	76,5	0,84	1,52	4,96						
L6W93T405	9,3	12,5	380	20,5	2840	77,6	0,89	1,51	4,64	30	4	4	4		
			400	20,0	2860	78,2	0,86	1,68	5,01						
			415	19,9	2870	78,3	0,83	1,81	5,21						
L6W110T405	11	15	380	24,2	2830	77,2	0,9	1,44	4,38	30	4	4	4		
			400	23,5	2850	78,0	0,87	1,47	4,75						
			415	23,4	2865	78,0	0,84	1,73	4,94						
L6W130T405	13	17,5	380	28,1	2830	77,9	0,9	1,31	4,53	30	4	4	4		
			400	27,1	2855	78,9	0,88	1,47	4,93						
			415	27,0	2865	79,1	0,9	1,59	5,15						
L6W150T405	15	20	380	32,1	2830	80,2	0,88	1,55	4,88	30	4	4	4		
			400	31,5	2855	80,6	0,85	1,72	5,25						
			415	31,3	2865	80,9	0,82	1,86	5,46						
L6W185T405	18,5	25	380	38,5	2845	81,8	0,89	1,77	5,23	30	6	4	4		
			400	37,6	2860	82,4	0,86	1,97	5,65						
			415	37,5	2870	82,4	0,83	2,13	5,86						
L6W220T405	22	30	380	47,3	2865	81,7	0,87	0,86	4,60	30	6	4	4		
			400	46,5	2880	82,2	0,83	0,96	4,93						
			415	46,7	2890	82,2	0,8	1,04	5,09						
L6W260T405	26	35	380	56,5	2860	81,9	0,85	1,58	4,82	30	6	4	4		
			400	55,4	2880	82,7	0,82	1,76	5,18						
			415	55,7	2890	82,7	0,79	1,90	5,35						
L6W300T405	30	40	380	63,8	2870	82,3	0,87	1,07	4,94	30	10	4	4		
			400	62,3	2890	83,1	0,84	1,19	5,32						
			415	62,0	2900	83,3	0,81	1,29	5,55						
L6W370T405	37	50	380	81,8	2845	79,6	0,86	1,03	4,25	30	10	4	4		
			400	79,1	2870	81,2	0,83	1,15	4,63						
			415	79,4	2880	80,8	0,80	1,25	4,79						

* Ts/Tn = ratio between starting torque and nominal torque.

l6w-2p50-en_f_te

Mechanical seal as standard

Upper and lower carbon bearing bush

Up thrust ring included



Wet rewindable stator

Kingsbury bi-directional axial thrust bearing



Stator Easy to Rewind

L8W Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE V	OPERATING CHARACTERISTICS AT RATED POWER				DIRECT START		MAX WATER TEMPERATURE °C	CABLE TYPE			
	THREE-PHASE	kW		HP	RATED CURRENT A	rpm	η %	cosφ	Ts/Tn*		Is/In	Sec. (mm²)		
												DOL	Y/D	L (m)
L8W300T405	30	40	380	65,0	2905	83,0	0,85	1,20	4,67	30	10	6	5,5	
			400	62,0	2900	83,0	0,84	1,15	4,69					
			415	59,0	2900	83,0	0,84	1,09	4,70					
L8W370T405	37	50	380	81,0	2840	80,5	0,87	1,04	4,19	30	10	6	5,5	
			400	78,5	2860	81,0	0,84	1,14	4,54					
			415	76,0	2870	81,5	0,83	1,23	4,88					
L8W450T405	45	60	380	92,0	2850	82,0	0,87	0,92	3,72	30	16	6	5,5	
			400	89,0	2870	82,0	0,85	1,01	3,98					
			415	89,0	2880	83,5	0,83	1,09	4,23					
L8W520T405	52	70	380	110	2840	82,0	0,86	1,14	3,90	30	16	6	5,5	
			400	108	2865	82,0	0,85	1,15	4,20					
			415	104	2885	82,5	0,82	1,16	4,50					
L8W550T405	55	75	380	118	2840	82,0	0,87	1,26	3,57	30	16	10	5,5	
			400	114	2870	82,0	0,85	1,27	3,88					
			415	110	2885	82,5	0,83	1,27	4,19					
L8W600T405	60	80	380	124	2855	82,0	0,87	1,12	4,18	30	16	10	5,5	
			400	120	2875	82,5	0,85	1,23	4,49					
			415	118	2885	83,5	0,83	1,33	4,80					
L8W670T405	67	90	380	138	2850	82,5	0,88	0,98	4,22	30	25	10	5,5	
			400	133	2870	83,0	0,86	1,07	4,52					
			415	132	2885	83,5	0,83	1,16	4,82					
L8W750T405	75	100	380	156	2860	82,0	0,87	0,92	4,10	30	25	16	5,5	
			400	152	2875	82,5	0,85	1,01	4,41					
			415	148	2885	83,0	0,82	1,10	4,72					
L8W830T405	83	110	380	172	2860	83,0	0,87	0,91	4,12	30	35	16	5,5	
			400	168	2870	83,5	0,84	1,00	4,39					
			415	163	2880	84,0	0,82	1,08	4,66					
L8W930T405	93	125	380	192	2850	83,0	0,87	0,84	3,38	30	35	16	5,5	
			400	186	2860	83,5	0,85	0,92	3,84					
			415	180	2885	84,0	0,83	1,00	4,30					

* Ts/Tn = ratio between starting torque and nominal torque.

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L10W Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE V	OPERATING CHARACTERISTICS AT RATED POWER				DIRECT START		MAX WATER TEMPERATURE °C	CABLE TYPE			
	THREE-PHASE	kW		HP	RATED CURRENT A	rpm	η %	cosφ	Ts/Tn*		Is/In	Sec. (mm²)		
												DOL	Y/D	L (m)
L10W930T405	93	125	380	191	2895	83,0	0,87	1,02	5,14	30	35	25	5	
			400	184	2910	83,0	0,85	1,12	5,55					
			415	180	2915	84,0	0,84	1,21	5,95					
L10W1100T405	110	150	380	235	2900	83,5	0,86	1,20	4,77	30	50	25	5	
			400	225	2910	83,5	0,84	1,32	5,17					
			415	220	2920	84,5	0,82	1,43	5,57					
L10W1300T405	130	175	380	270	2895	84,0	0,86	1,29	4,84	30	50	25	5	
			400	263	2915	83,0	0,85	1,42	5,22					
			415	255	2915	85,5	0,83	1,54	5,60					
L10W1500T405	150	200	380	308	2905	83,0	0,86	1,26	4,77	30	70	25	5	
			400	295	2915	83,0	0,85	1,38	5,20					
			415	285	2925	84,0	0,84	1,50	5,63					

* Ts/Tn = ratio between starting torque and nominal torque.

l10w-2p50-en_b_te

L12W Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE V	OPERATING CHARACTERISTICS AT RATED POWER				DIRECT START		MAX WATER TEMPERATURE °C	CABLE TYPE			
	THREE-PHASE	kW		HP	RATED CURRENT A	rpm	η %	cosφ	Ts/Tn*		Is/In	Sec. (mm²)		
												DOL	Y/D	L (m)
L12W1850T405	185	250	380	380	2895	84,0	0,87	1,28	5,57	30	70	50	5	
			400	370	2905	84,0	0,86	1,41	5,99					
			415	360	2915	84,5	0,86	1,53	6,40					
L12W2200T405	220	300	380	470	2910	84,5	0,86	1,04	4,60	30	95	50	5	
			400	456	2925	84,5	0,85	1,14	5,01					
			415	435	2930	85,5	0,83	1,24	5,42					
L12W2600T405	260	350	380	525	2875	85,0	0,87	0,96	4,10	30	120	70	5	
			400	512	2890	85,0	0,85	1,06	4,39					
			415	498	2910	86,0	0,83	1,15	4,67					
L12W3000T405	300	400	380	620	2880	85,0	0,87	0,90	4,10	30	2x70	70	5	
			400	594	2900	85,0	0,85	0,99	4,50					
			415	570	2910	86,0	0,84	1,08	4,90					

* Ts/Tn = ratio between starting torque and nominal torque.

l12w-2p50-en_c_te

L6W HT Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE V	OPERATING CHARACTERISTICS AT RATED POWER					DIRECT START		MAX WATER TEMPERATURE °C	CABLE TYPE		
	THREE-PHASE kW	HP		RATED CURRENT A	rpm	η %	cosφ	Ts/Tn*	Is/In	Sec. (mm²)				
										DOL		Y/D	L (m)	
L6W40T405 HT	4	5,5	380	9,81	2905	76,9	0,81	1,65	5,65	45	4	4	4	
			400	10,1	2915	75,5	0,76	1,83	5,78					
			415	10,5	2920	74,2	0,72	1,98	5,77					
L6W55T405 HT	5,5	7,5	380	12,9	2895	77,1	0,84	1,75	5,71	45	4	4	4	
			400	13,0	2905	77,0	0,79	1,95	5,96					
			415	13,4	2915	76,3	0,75	2,10	6,03					
L6W75T405 HT	7,5	10	380	16,9	2880	79,2	0,85	1,89	5,64	45	4	4	4	
			400	16,9	2890	79,0	0,81	2,11	5,91					
			415	17,3	2900	78,3	0,77	2,27	6,00					
L6W93T405 HT	9,3	12,5	380	20,6	2865	79,2	0,87	1,72	5,13	45	4	4	4	
			400	20,4	2880	79,3	0,83	1,82	5,44					
			415	20,8	2890	78,4	0,79	2,07	5,53					
L6W110T405 HT	11	15	380	23,8	2870	80,1	0,88	1,57	5,35	45	4	4	4	
			400	23,6	2885	80,1	0,84	1,75	5,69					
			415	23,9	2890	79,8	0,80	1,89	5,83					
L6W130T405 HT	13	17,5	380	28,3	2860	81,8	0,85	1,80	5,55	45	4	4	4	
			400	28,1	2875	81,4	0,82	2,01	5,87					
			415	28,4	2885	81,4	0,78	2,17	6,03					
L6W150T405 HT	15	20	380	31,8	2880	83,6	0,86	2,21	6,33	45	6	4	4	
			400	31,9	2890	83,4	0,82	2,46	6,65					
			415	32,5	2900	82,8	0,78	2,65	6,77					
L6W185T405 HT	18,5	25	380	40,3	2895	83,9	0,83	1,04	5,40	45	6	4	4	
			400	40,5	2905	83,5	0,79	1,15	5,65					
			415	41,6	2910	83,0	0,75	1,24	5,71					
L6W220T405 HT	22	30	380	48,5	2890	83,6	0,82	1,89	5,62	45	6	4	4	
			400	48,6	2905	83,6	0,78	2,10	5,90					
			415	49,7	2910	83,2	0,74	2,26	5,99					
L6W260T405 HT	26	35	380	55,7	2895	83,8	0,85	1,24	5,66	45	10	4	4	
			400	55,2	2905	84,0	0,81	1,38	6,00					
			415	55,8	2915	83,9	0,77	1,49	6,17					
L6W300T405 HT	30	40	380	67,1	2885	82,2	0,83	1,29	5,18	45	10	4	4	
			400	67,1	2900	82,8	0,78	1,44	5,46					
			415	68,8	2910	81,8	0,74	1,55	5,52					

* Ts/Tn = ratio between starting torque and nominal torque.

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L8W HT Motor Series

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MOTOR TYPE	RATED POWER		RATED VOLTAGE V	OPERATING CHARACTERISTICS AT RATED POWER					DIRECT START		MAX WATER TEMPERATURE °C	CABLE TYPE		
	THREE-PHASE kW	HP		RATED CURRENT A	rpm	η %	cosφ	Ts/Tn*	Is/In	Sec. (mm²)				
										DOL		Y/D	L (m)	
L8W300T405 HT	30	40	380	66,6	2865	82,5	0,84	1,29	5,10	45	10	6	5,5	
			400	64,5	2885	83,0	0,81	1,41	5,52					
			415	62,4	2895	83,5	0,8	1,53	5,94					
L8W370T405 HT	37	50	380	77,5	2865	84,0	0,86	1,12	4,41	45	16	6	5,5	
			400	75,0	2885	84,0	0,84	1,23	4,72					
			415	75,0	2895	85,5	0,82	1,33	5,02					
L8W450T405 HT	45	60	380	97,8	2860	83,0	0,83	1,33	4,39	45	16	6	5,5	
			400	96,0	2885	83,0	0,82	1,34	4,73					
			415	92,4	2905	83,5	0,79	1,35	5,06					
L8W520T405 HT	52	70	380	110	2835	83,0	0,86	1,33	3,84	45	16	10	5,5	
			400	106	2865	83,0	0,84	1,34	4,17					
			415	102	2880	83,5	0,82	1,34	4,51					
L8W550T405 HT	55	75	380	117	2865	83,5	0,86	1,23	4,44	45	16	10	5,5	
			400	113	2885	84,0	0,84	1,34	4,77					
			415	111	2895	85,0	0,82	1,46	5,10					
L8W600T405 HT	60	80	380	127	2860	83,5	0,87	1,10	4,60	45	25	10	5,5	
			400	122	2880	84,0	0,85	1,20	4,93					
			415	121	2895	84,5	0,82	1,30	5,25					
L8W670T405 HT	67	90	380	141	2870	82,5	0,85	1,03	4,55	45	25	16	5,5	
			400	137	2885	83,0	0,83	1,13	4,89					
			415	133	2895	83,5	0,8	1,24	5,24					
L8W750T405 HT	75	100	380	156	2905	82,5	0,86	1,02	4,55	45	35	16	5,5	
			400	152	2915	83,0	0,83	1,12	4,85					
			415	147	2925	83,5	0,81	1,21	5,15					
L8W830T405 HT	83	110	380	171	2875	84,5	0,86	0,95	3,79	45	35	16	5,5	
			400	166	2885	85,0	0,84	1,04	4,30					
			415	161	2910	85,5	0,82	1,13	4,82					

* Ts/Tn = ratio between starting torque and nominal torque.

l8w-ht-2p50-en_a_te

L10W HT Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE	OPERATING CHARACTERISTICS AT RATED POWER				DIRECT START		MAX WATER TEMPERATURE	CABLE TYPE		
	THREE-PHASE	kW		HP	RATED CURRENT				Ts/Tn*		Is/In	Sec. (mm ²)	
			A		rpm	η %	cosφ	DOL		Y/D		L (m)	
L10W830T405 HT	83	110	380	170,2	2900	85,0	0,87	1,14	5,77	45	35	25	5
			400	164,0	2915	85,0	0,85	1,25	6,22				
			415	160,4	2920	86,0	0,84	1,36	6,68				
L10W930T405 HT	93	125	380	200,5	2905	86,0	0,84	1,42	5,59	45	50	25	5
			400	192,0	2915	86,0	0,82	1,56	6,06				
			415	187,7	2925	87,0	0,8	1,69	6,53				
L10W1100T405 HT	110	150	380	233,0	2900	87,0	0,82	1,53	5,61	45	50	25	5
			400	227,0	2920	86,0	0,81	1,68	6,05				
			415	220,1	2920	88,6	0,79	1,82	6,49				
L10W1300T405 HT	130	175	380	288	2920	85,0	0,83	1,46	5,10	45	70	25	5
			400	276	2930	85,0	0,82	1,60	5,56				
			415	267	2940	86,0	0,81	1,74	6,02				

* Ts/Tn = ratio between starting torque and nominal torque.

l10w-ht-2p50-en_a_te

L12W HT Motor Series

MOTOR TYPE	RATED POWER		RATED VOLTAGE	OPERATING CHARACTERISTICS AT RATED POWER				DIRECT START		MAX WATER TEMPERATURE	CABLE TYPE		
	THREE-PHASE	kW		HP	RATED CURRENT				Ts/Tn*		Is/In	Sec. (mm ²)	
			A		rpm	η %	cosφ	DOL		Y/D		L (m)	
L12W1500T405 HT	150	200	380	328,6	2930	87,0	0,82	1,60	6,44	45	70	50	5
			400	320,0	2940	87,0	0,81	1,75	6,92				
			415	311,4	2950	87,5	0,81	1,91	7,40				
L12W1850T405 HT	185	250	380	379,3	2915	87,0	0,83	1,24	5,70	45	95	50	5
			400	368,0	2930	87,0	0,82	1,36	6,21				
			415	351,1	2935	88,0	0,8	1,48	6,72				
L12W2200T405 HT	220	300	380	438,9	2915	88,0	0,86	1,15	4,90	45	120	70	5
			400	428,0	2930	88,0	0,84	1,26	5,25				
			415	416,3	2950	89,0	0,82	1,38	5,59				
L12W2600T405 HT	260	350	380	546	2895	87,0	0,84	1,04	4,66	45	2x70	70	5
			400	523	2915	87,0	0,82	1,15	5,11				
			415	502	2925	88,0	0,81	1,25	5,57				

* Ts/Tn = ratio between starting torque and nominal torque.

l12w-ht-2p50-en_a_te



What can Xylem do for you?

Xylem ['zɪləm]

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're approximately 12,700 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to xylem.com.



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