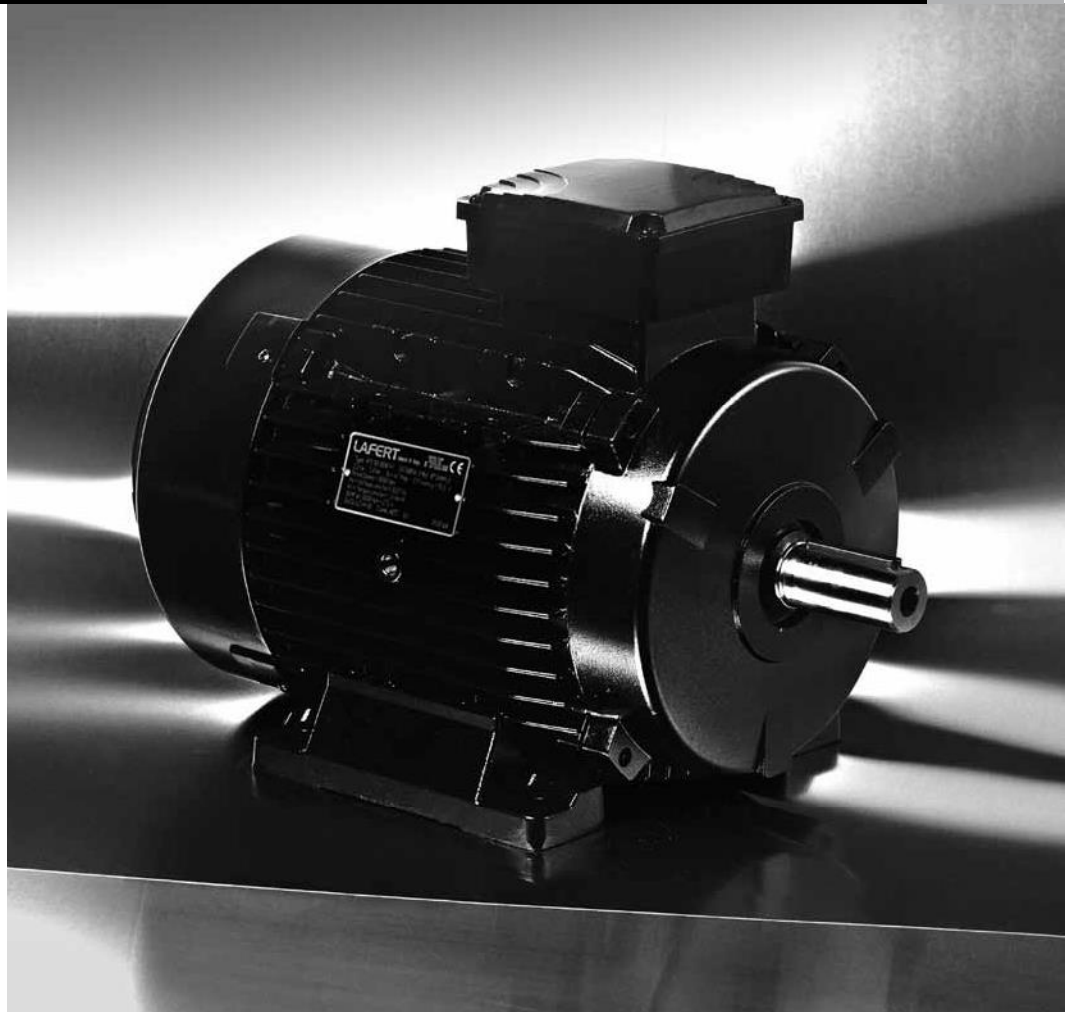


HPS - STAND ALONE MOTOR



HPS - STAND ALONE MOTOR

1500 MIN⁻¹

TEMPERATURE RISE TO CLASS B

Type	Size	Rated speed	Rated power	Rated torque	Peak torque	Voltage constant	Torque constant speed	BEMF at rated	Rated current	Efficiency HPS	Weight
		n 1/min	P _n kW	M _n Nm	M _{pk} Nm	K _e Vs	K _t Nm/A	E _n Vrs	I _n Arms	η %	Kg
1500 min ⁻¹											
HPS71 1500 12	71	1500	0.55	3.5	10.5	1.73	3	272	1.2	86.0%	4.8
HPS71 1500 16	71	1500	0.75	4.8	14.4	1.73	3	272	1.6	87.0%	5.4
HPS71 1500 23	71	1500	1.1	7.0	21.0	1.73	3	272	2.3	87.8%	6.2
HPS71 1500 32	71	1500	1.5	9.6	28.8	1.73	3	272	3.2	88.5%	7.0
HPS90 1500 32	S-L	1500	1.5	9.6	28.7	1.73	3	272	3.2	91.0%	10.0
HPS90 1500 47	S-L	1500	2.2	14.0	42.0	1.73	3	272	4.7	91.5%	12.0
HPS90 1500 64	S-L	1500	3.0	19.1	57.3	1.73	3	272	6.4	92.0%	14.0
HPS90 1500 85	S-L	1500	4.0	25.5	76.4	1.73	3	272	8.5	92.3%	17.0
HPS112 1500 85	M	1500	4.0	25.5	76.4	1.73	3	272	8.5	92.4%	23.0
HPS112 1500 117	M	1500	5.5	35.0	105.1	1.73	3	272	11.7	92.5%	26.0
HPS112 1500 159	M	1500	7.5	47.8	143.3	1.73	3	272	15.9	93.1%	30.0
HPS112 1500 233	M	1500	11.0	70.0	210.1	1.73	3	272	23.3	93.8%	33.0
HPS132 1500 233	XL	1500	11.0	70.0	210.1	1.73	3	272	23.3	94.0%	51.0
HPS132 1500 318	XXL	1500	15.0	95.5	286.5	1.73	3	272	31.8	94.4%	58.0
HPS132 1500 393	XXL	1500	18.5	117.8	353.4	1.73	3	272	39.3	94.8%	65.0

HPS - STAND ALONE MOTOR

1800 MIN⁻¹

TEMPERATURE RISE TO CLASS B

Type	Size	Rated speed	Rated power	Rated torque	Peak torque	Voltage constant	Torque constant speed	BEMF at rated	Rated current	Efficiency HPS	Weight
		n 1/min	P _n kW	M _n Nm	M _{pk} Nm	K _e Vs	K _t Nm/A	E _n Vrs	I _n Arms	η %	Kg
1800 min ⁻¹											
HPS71 1800 12	71	1800	0.55	2.9	8.8	1.45	2.5	272	1.2	87.7%	4.8
HPS71 1800 16	71	1800	0.75	4.0	11.9	1.45	2.5	272	1.6	88.4%	5.4
HPS71 1800 23	71	1800	1.1	5.8	17.5	1.45	2.5	272	2.3	88.9%	6.2
HPS71 1800 32	71	1800	1.5	8.0	23.9	1.45	2.5	272	3.2	89.4%	7
HPS90 1800 32	S-L	1800	1.5	8.0	23.9	1.45	2.5	272	3.2	91.2%	10
HPS90 1800 46	S-L	1800	2.2	11.7	35.0	1.45	2.5	272	4.6	91.6%	12
HPS90 1800 64	S-L	1800	3.0	15.9	47.7	1.45	2.5	272	6.3	92.1%	14
HPS90 1800 84	S-L	1800	4.0	21.2	63.7	1.45	2.5	272	8.4	92.4%	17
HPS112 1800 84	M	1800	4.0	21.2	63.7	1.45	2.5	272	8.4	92.5%	23
HPS112 1800 116	M	1800	5.5	29.2	87.5	1.45	2.5	272	11.6	92.6%	26
HPS112 1800 158	M	1800	7.5	39.8	119.4	1.45	2.5	272	15.8	93.3%	30
HPS112 1800 232	XL	1800	11.0	58.4	175.1	1.45	2.5	272	23.2	94.0%	33
HPS132 1800 232	M	1800	11.0	58.4	175.1	1.45	2.5	272	23.2	94.2%	51
HPS132 1800 317	XL	1800	15.0	79.6	238.7	1.45	2.5	272	31.7	94.6%	58
HPS132 1800 391	XL	1800	18.5	98.1	294.4	1.45	2.5	272	39.1	94.9%	65

HPS - STAND ALONE MOTOR 3000 MIN⁻¹

TEMPERATURE RISE TO CLASS B

Type	Size	Rated speed	Rated power	Rated torque	Peak torque	Voltage constant	Torque constant speed	BEMF at rated	Rated current	Efficiency HPS	Weight
		n 1/min	P_n kW	M_n Nm	M_{pk} Nm	K_e Vs	K_t Nm/A	E_n Vrs	I_n Arms	η %	Kg
3000 min ⁻¹											
HPS71 3000 16	71	3000	0.75	2.4	7.2	0.87	1.5	272	1.6	89.7%	4.8
HPS71 3000 23	71	3000	1.1	3.5	10.5	0.87	1.5	272	2.3	90.5%	5.4
HPS71 3000 32	71	3000	1.5	4.8	14.3	0.87	1.5	272	3.2	91.2%	6
HPS71 3000 47	71	3000	2.2	7.0	21.0	0.87	1.5	272	4.7	91.4%	6.6
HPS90 3000 47	S-L	3000	2.2	7.0	21.0	0.87	1.5	272	4.7	91.5%	10
HPS90 3000 64	S-L	3000	3.0	9.6	28.7	0.87	1.5	272	6.4	92.1%	12
HPS90 3000 85	S-L	3000	4.0	12.7	38.2	0.87	1.5	272	8.5	92.6%	14
HPS90 3000 117	S-L	3000	5.5	17.5	52.5	0.87	1.5	272	11.7	93.1%	16
HPS112 3000 117	M	3000	5.5	17.5	52.5	0.87	1.5	272	11.7	92.9%	23
HPS112 3000 159	M	3000	7.5	23.9	71.6	0.87	1.5	272	15.9	93.7%	26
HPS112 3000 233	M	3000	11.0	35.0	105.1	0.87	1.5	272	23.3	94.1%	30
HPS112 3000 318	M	3000	15.0	47.8	143.3	0.87	1.5	272	31.8	94.2%	33
HPS132 3000 318	M	3000	15.0	47.8	143.3	0.87	1.5	272	31.8	93.8%	51
HPS132 3000 393	XL	3000	18.5	58.9	176.7	0.87	1.5	272	39.3	94.6%	58
HPS132 3000 467	XXL	3000	22.0	70.0	210.1	0.87	1.5	272	46.7	94.9%	65
HPS132 3000 636	XXL	3000	30.0	95.4	286.0	0.87	1.5	272	63.6	95.0%	72

HPS - STAND ALONE MOTOR

3600 MIN⁻¹

TEMPERATURE RISE TO CLASS B

Type	Size	Rated speed	Rated power	Rated torque	Peak torque	Voltage constant	Torque constant speed	BEMF at rated	Rated current	Efficiency HPS	Weight
		n 1/min	P _n kW	M _n Nm	M _{pk} Nm	K _e Vs	K _t Nm/A	E _n Vrs	I _n Arms	η %	Kg
3600 min ⁻¹											
HPS71 3600 16	71	3600	0.75	2.0	6.0	0.73	1.26	272	1.6	90.0%	4.8
HPS71 3600 23	71	3600	1.1	2.9	8.8	0.73	1.26	272	2.3	90.9%	5.4
HPS71 3600 32	71	3600	1.5	4.0	11.9	0.73	1.26	272	3.2	91.6%	6
HPS71 3600 46	71	3600	2.2	5.8	17.5	0.73	1.26	272	4.6	91.8%	6.6
HPS90 3600 46	S-L	3600	2.2	5.8	17.5	0.73	1.26	272	4.6	91.7%	10
HPS90 3600 63	S-L	3600	3.0	8.0	23.9	0.73	1.26	272	6.3	92.4%	12
HPS90 3600 84	S-L	3600	4.0	10.6	31.8	0.73	1.26	272	8.4	92.8%	14
HPS90 3600 116	S-L	3600	5.5	14.6	43.8	0.73	1.26	272	11.6	93.3%	16
HPS112 3600 116	M	3600	5.5	14.6	43.8	0.73	1.26	272	11.6	93.2%	23
HPS112 3600 158	M	3600	7.5	19.9	59.7	0.73	1.26	272	15.8	93.9%	26
HPS112 3600 232	M	3600	11.0	29.2	87.5	0.73	1.26	272	23.2	94.3%	30
HPS112 3600 317	M	3600	15.0	39.8	119.4	0.73	1.26	272	31.7	94.5%	33
HPS132 3600 317	M	3600	15.0	39.8	119.4	0.73	1.26	272	31.7	94.2%	51
HPS132 3600 391	XL	3600	18.5	49.1	147.2	0.73	1.26	272	39.1	94.6%	58
HPS132 3600 465	XXL	3600	22.0	58.4	175.1	0.73	1.26	272	46.5	95.0%	65
HPS132 3600 634	XXL	3600	30.0	79.6	238.7	0.73	1.26	272	63.4	95.1%	72

HPS - STAND ALONE MOTOR

4500 MIN⁻¹

TEMPERATURE RISE TO CLASS B

Type	Size	Rated speed	Rated power	Rated torque	Peak torque	Voltage constant	Torque constant speed	BEMF at rated	Rated current	Efficiency HPS	Weight
		n 1/min	P _n kW	M _n Nm	M _{pk} Nm	K _e Vs	K _t Nm/A	E _n Vrs	I _n Arms	η %	Kg
4500 min ⁻¹											
HPS71 4500 23	71	500	1.1	2.3	7.0	0.58	1	272	2.3	90.0%	4.8
HPS71 4500 32	71	4500	1.5	3.2	9.6	0.58	1	272	3.2	91.0%	5.4
HPS71 4500 47	71	4500	2.2	4.7	14.0	0.58	1	272	4.7	91.8%	6.2
HPS71 4500 64	71	4500	3.0	6.4	19.1	0.58	1	272	6.4	91.9%	7
HPS90 4500 64	S-L	4500	3.0	6.4	19.1	0.58	1	272	6.4	91.8%	10
HPS90 4500 85	S-L	4500	4.0	8.5	25.5	0.58	1	272	8.5	92.4%	12
HPS90 4500 117	S-L	4500	5.5	11.7	35.0	0.58	1	272	11.7	93.0%	14
HPS90 4500 159	S-L	4500	7.5	15.9	47.8	0.58	1	272	15.9	93.5%	17