

JOB:

REPRESENTATIVE:

UNIT TAG:

ENGINEER:

CONTRACTOR:

ORDER NO.

SUBMITTED BY:

APPROVED BY:

DATE:

DATE:

DATE:

Hydrovar



TECHNOLOGIC STANDARD FEATURES	
CONTROL METHOD	Constant Pressure, Control Curve. Field configurable for use with a wired transducer
CONTROL ZONES	Up to 2 zones.
MULTIPUMP	Up to 8 pumps via RS485.
HARMONIC SUPPRESSION	Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor
COOLING	Cooled by TEFC motor Fan
AMBIENT TEMPERATURE RATING	14 °F to 131 °F (-10°C to 55°C)
COMMUNICATION PROTOCOLS	BACnet, Modbus RTU, N2 Metasys as standard
ANALOG INPUTS	2 configurable for 0-10V or 4-20mA input.
DIGITAL INPUTS	4 (0 to 24VDC)
RELAY OUTPUTS	2 programmable, 240VAC up to 2 A

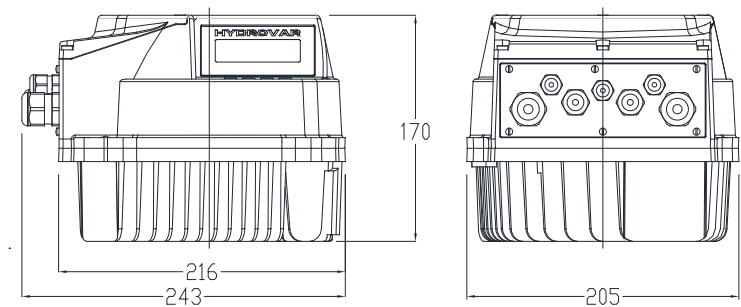
HP	VOLTAGE	PHASE	SIZE	FREQUENCY
2	208-240	1	A	50-60HZ
3	208-240	1	A	50-60HZ
5.5	208-240	1	B	50-60HZ
2	208-240	3	A	50-60HZ
3	208-240	3	A	50-60HZ
2	208-240	3	B	50-60HZ
7.5	208-240	3	B	50-60HZ
10	208-240	3	C	50-60HZ
15	208-240	3	C	50-60HZ
2	380-460	3	A	50-60HZ
3	380-460	3	A	50-60HZ
5.5	380-460	3	A	50-60HZ
7.5	380-460	3	B	50-60HZ
10	380-460	3	B	50-60HZ
15	380-460	3	B	50-60HZ
20	380-460	3	C	50-60HZ
25	380-460	3	C	50-60HZ
30	380-460	3	C	50-60HZ

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Note: Add corresponding height dimension to dimension "HC" for overall pump length.

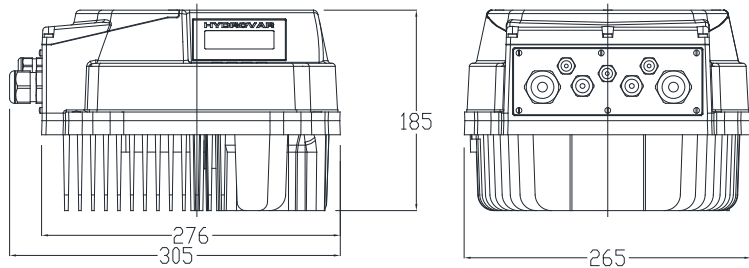
Dimension and weight.

Model A



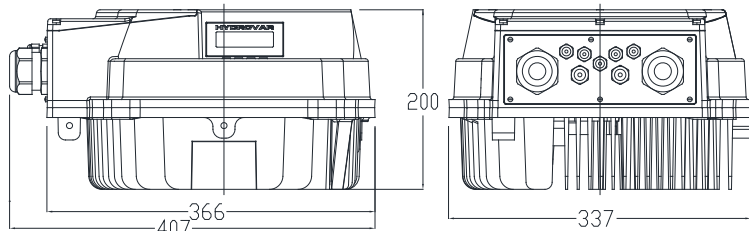
Model Type	Model Size	Maximum Weight
2.015	A	6 kg (13.22 lbs)
2.022	A	6 kg (13.22 lbs)
3.015	A	6 kg (13.22 lbs)
3.022	A	6 kg (13.22 lbs)
4.015	A	6 kg (13.22 lbs)
4.022	A	6 kg (13.22 lbs)
4.030	A	6 kg (13.22 lbs)
4.040	A	6 kg (13.22 lbs)

Model B



Model Type	Model Size	Maximum Weight
2.030	B	12 kg (26.45 lbs)
2.040	B	12 kg (26.45 lbs)
3.030	B	12 kg (26.45 lbs)
3.040	B	12 kg (26.45 lbs)
3.055	B	12 kg (26.45 lbs)
4.055	B	12 kg (26.45 lbs)
4.075	B	12 kg (26.45 lbs)
4.110	B	12 kg (26.45 lbs)

Model C



Model Type	Model Size	Maximum Weight
3.075	C	19 kg (41.88 lbs)
3.110	C	19 kg (41.88 lbs)
4.150	C	19 kg (41.88 lbs)
4.185	C	19 kg (41.88 lbs)
4.220	C	19 kg (41.88 lbs)

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Electrical Data.

Model Type	Rated output	Nominal input voltage	Model Size	Max Input current (A)	Efficiency Rated (%) typical	Output voltage (V)	Max output current (A)	Output frequency (Hz)
2.015	2 HP	208-240±10% (Single phase)	A	11.6 A	94%	0-240 (Three phase)	7.5 A	15-70 (Hz)
2.022	3 HP	208-240±10% (Single phase)	A	15.1 A	93.5%	0-240 (Three phase)	10 A	15-70 (Hz)
2.030	4 HP	208-240±10% (Single phase)	B	22.3 A	93.5%	0-240 (Three phase)	14.3 A	15-70 (Hz)
2.040	5 HP	208-240±10% (Single phase)	B	27.6 A	93.5%	0-240 (Three phase)	16.7 A	15-70 (Hz)
3.015	2 HP	208-240±10% (Three phase)	A	7 A	96%	0-100% of supply voltage	7.5 A	15-70 (Hz)
3.022	3 HP	208-240±10% (Three phase)	A	9.1 A	96%	0-100% of supply voltage	10 A	15-70 (Hz)
3.030	4 HP	208-240±10% (Three phase)	B	13.3 A	96%	0-100% of supply voltage	14.3 A	15-70 (Hz)
3.040	5.5 HP	208-240±10% (Three phase)	B	16.5 A	96%	0-100% of supply voltage	16.7 A	15-70 (Hz)
3.055	7.5 HP	208-240±10% (Three phase)	B	23.5 A	96%	0-100% of supply voltage	24.2 A	15-70 (Hz)
3.075	10 HP	208-240±10% (Three phase)	C	29.6 A	96%	0-100% of supply voltage	31 A	15-70 (Hz)
3.110	15 HP	208-240±10% (Three phase)	C	43.9 A	96%	0-100% of supply voltage	44 A	15-70 (Hz)
4.015	2 HP	380-460±15% (Three phase)	A	3.9 A	96%	0-100% of supply voltage	4.1 A	15-70 (Hz)
4.022	3 HP	380-460±15% (Three phase)	A	5.3 A	96.5%	0-100% of supply voltage	5.7 A	15-70 (Hz)
4.030	4 HP	380-460±15% (Three phase)	A	7.2 A	96.5%	0-100% of supply voltage	7.3 A	15-70 (Hz)
4.040	5 HP	380-460±15% (Three phase)	A	10.1 A	96.5%	0-100% of supply voltage	10 A	15-70 (Hz)
4.055	7.5 HP	380-460±15% (Three phase)	B	12.8 A	97%	0-100% of supply voltage	13.5 A	15-70 (Hz)
4.075	10 HP	380-460±15% (Three phase)	B	16.9 A	97%	0-100% of supply voltage	17 A	15-70 (Hz)
4.110	15 HP	380-460±15% (Three phase)	B	24.2 A	97%	0-100% of supply voltage	24 A	15-70 (Hz)
4.150	20 HP	380-460±15% (Three phase)	C	33.3 A	97%	0-100% of supply voltage	32 A	15-70 (Hz)
4.185	25 HP	380-460±15% (Three phase)	C	38.1 A	97%	0-100% of supply voltage	38 A	15-70 (Hz)
4.220	30 HP	380-460±15% (Three phase)	C	44.7 A	97%	0-100% of supply voltage	44 A	15-70 (Hz)