

HYDRA-CELL KALVOPUMPUT P600

Annostelupumppu

P600MSETTB07C
Kalvopumppu P600



- Virtaus 15 - 3300 l/h
- Paine max. 70 bar
- Muovi- ja metallirakenne
- Tiivisteetön rakenne



TUOTEKUVAUS

Hydra-Cell Metering Solutions P600 -pumpuissa käytetään kolmea kalvoa yhdessä pumppupäässä. Tämän ainutlaatuisen rakenteen ansiosta Hydra-Cell tuottaa käytännössä "pulssittoman" virtauksen ilman että, on tarvetta käyttää kalliita pulsaationvaimentimia.

TEKNISET TIEDOT

Akselimitta	Ontto akseli 19 mm
Hydrauliöljyn määrä	3,1 l
Jousipidikkeen materiaali	Hastelloy C
Kalvon materiaali	EPDM
Liitännän sisääntulo	BSPT 1 1/2"
Liitännän ulostulo	BSPT 1"
Max. järjestelmän paine	17 bar
Max. käyttölämpötila	120 °C
Max. paine	69 bar
Max. virtaus	1120 l/h
Max. viskositeetti	4000 cP
Paino	66 kg
Particle size	Max. 0,8mm
Pohjalevyn materiaali	Epoksi-lakattua terästä
Pumpun materiaali	SS 316L
Pyörimissuunta	Valinnainen

Venttiilien materiaali

Hastelloy C

Venttiilin istukan materiaali

Hastelloy C

Venttiilin jousen materiaali

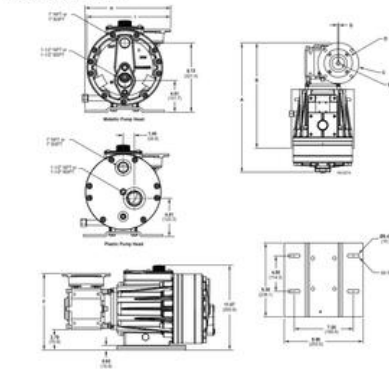
Hastelloy C

Välityssuhde

7,5:1 - IEC 80-B5

P600 Dimensions

P600 Models - F63

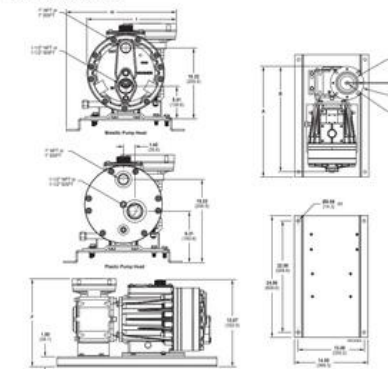


Dimensions in Inches (Millimeters)

Input Frame Size	A	B	C	D	E	F	G	H	I
Model 100	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)
Model 150	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)
Model 200	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)
Model 250	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)
Model 300	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)
Model 350	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)
Model 400	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)
Model 450	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)
Model 500	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)
Model 550	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)
Model 600	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)
Model 650	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)
Model 700	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)
Model 750	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)
Model 800	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)
Model 850	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)
Model 900	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)
Model 950	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)
Model 1000	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)

P600 Dimensions (Cont'd)

P600 Models - F75

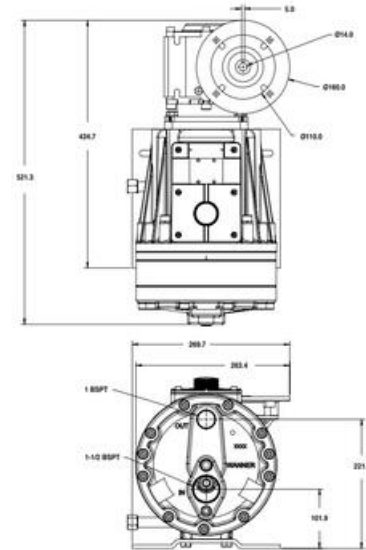


Dimensions in Inches (Millimeters)

Input Frame Size	A	B	C	D	E	F	G	H	I
Model 100	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)	10.0 (254.0)
Model 150	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)	15.0 (381.0)
Model 200	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)	20.0 (508.0)
Model 250	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)	25.0 (635.0)
Model 300	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)	30.0 (762.0)
Model 350	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)	35.0 (889.0)
Model 400	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)	40.0 (1016.0)
Model 450	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)	45.0 (1143.0)
Model 500	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)	50.0 (1270.0)
Model 550	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)	55.0 (1397.0)
Model 600	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)	60.0 (1524.0)
Model 650	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)	65.0 (1651.0)
Model 700	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)	70.0 (1778.0)
Model 750	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)	75.0 (1905.0)
Model 800	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)	80.0 (2032.0)
Model 850	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)	85.0 (2159.0)
Model 900	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)	90.0 (2286.0)
Model 950	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)	95.0 (2413.0)
Model 1000	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)	100.0 (2540.0)

Representative Drawings (mm)

Metallic Pump Heads



Performance - Flow Capacities and Pressure Ratings

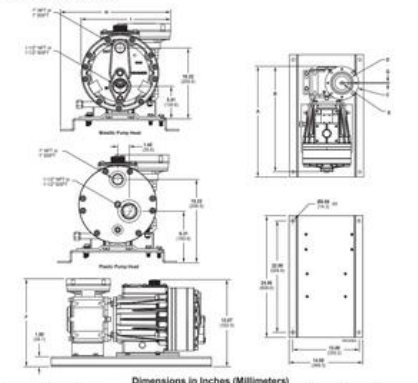
For Synchronous Speed, Self-cooled Motors

Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 1.8 Bar 1.8 Bar	Lhr Metallic Pump Heads Only 1.8 Bar 1.8 Bar	Pump BPM	Clear Ratio	Motor BPM
115.5	115.5	115.5	1.0	115.5
125.5	125.5	125.5	1.0	125.5
135.5	135.5	135.5	1.0	135.5
145.5	145.5	145.5	1.0	145.5
155.5	155.5	155.5	1.0	155.5
165.5	165.5	165.5	1.0	165.5
175.5	175.5	175.5	1.0	175.5
185.5	185.5	185.5	1.0	185.5
195.5	195.5	195.5	1.0	195.5
205.5	205.5	205.5	1.0	205.5
215.5	215.5	215.5	1.0	215.5
225.5	225.5	225.5	1.0	225.5
235.5	235.5	235.5	1.0	235.5
245.5	245.5	245.5	1.0	245.5
255.5	255.5	255.5	1.0	255.5
265.5	265.5	265.5	1.0	265.5
275.5	275.5	275.5	1.0	275.5
285.5	285.5	285.5	1.0	285.5
295.5	295.5	295.5	1.0	295.5
305.5	305.5	305.5	1.0	305.5
315.5	315.5	315.5	1.0	315.5
325.5	325.5	325.5	1.0	325.5
335.5	335.5	335.5	1.0	335.5
345.5	345.5	345.5	1.0	345.5
355.5	355.5	355.5	1.0	355.5
365.5	365.5	365.5	1.0	365.5
375.5	375.5	375.5	1.0	375.5
385.5	385.5	385.5	1.0	385.5
395.5	395.5	395.5	1.0	395.5
405.5	405.5	405.5	1.0	405.5
415.5	415.5	415.5	1.0	415.5
425.5	425.5	425.5	1.0	425.5
435.5	435.5	435.5	1.0	435.5
445.5	445.5	445.5	1.0	445.5
455.5	455.5	455.5	1.0	455.5
465.5	465.5	465.5	1.0	465.5
475.5	475.5	475.5	1.0	475.5
485.5	485.5	485.5	1.0	485.5
495.5	495.5	495.5	1.0	495.5
505.5	505.5	505.5	1.0	505.5
515.5	515.5	515.5	1.0	515.5
525.5	525.5	525.5	1.0	525.5
535.5	535.5	535.5	1.0	535.5
545.5	545.5	545.5	1.0	545.5
555.5	555.5	555.5	1.0	555.5
565.5	565.5	565.5	1.0	565.5
575.5	575.5	575.5	1.0	575.5
585.5	585.5	585.5	1.0	585.5
595.5	595.5	595.5	1.0	595.5
605.5	605.5	605.5	1.0	605.5
615.5	615.5	615.5	1.0	615.5
625.5	625.5	625.5	1.0	625.5
635.5	635.5	635.5	1.0	635.5
645.5	645.5	645.5	1.0	645.5
655.5	655.5	655.5	1.0	655.5
665.5	665.5	665.5	1.0	665.5
675.5	675.5	675.5	1.0	675.5
685.5	685.5	685.5	1.0	685.5
695.5	695.5	695.5	1.0	695.5
705.5	705.5	705.5	1.0	705.5
715.5	715.5	715.5	1.0	715.5
725.5	725.5	725.5	1.0	725.5
735.5	735.5	735.5	1.0	735.5
745.5	745.5	745.5	1.0	745.5
755.5	755.5	755.5	1.0	755.5
765.5	765.5	765.5	1.0	765.5
775.5	775.5	775.5	1.0	775.5
785.5	785.5	785.5	1.0	785.5
795.5	795.5	795.5	1.0	795.5
805.5	805.5	805.5	1.0	805.5
815.5	815.5	815.5	1.0	815.5
825.5	825.5	825.5	1.0	825.5
835.5	835.5	835.5	1.0	835.5
845.5	845.5	845.5	1.0	845.5
855.5	855.5	855.5	1.0	855.5
865.5	865.5	865.5	1.0	865.5
875.5	875.5	875.5	1.0	875.5
885.5	885.5	885.5	1.0	885.5
895.5	895.5	895.5	1.0	895.5
905.5	905.5	905.5	1.0	905.5
915.5	915.5	915.5	1.0	915.5
925.5	925.5	925.5	1.0	925.5
935.5	935.5	935.5	1.0	935.5
945.5	945.5	945.5	1.0	945.5
955.5	955.5	955.5	1.0	955.5
965.5	965.5	965.5	1.0	965.5
975.5	977.5	977.5	1.0	977.5
985.5	985.5	985.5	1.0	985.5
995.5	995.5	995.5	1.0	995.5
1005.5	1005.5	1005.5	1.0	1005.5
1015.5	1015.5	1015.5	1.0	1015.5
1025.5	1025.5	1025.5	1.0	1025.5
1035.5	1035.5	1035.5	1.0	1035.5
1045.5	1045.5	1045.5	1.0	1045.5
1055.5	1055.5	1055.5	1.0	1055.5
1065.5	1065.5	1065.5	1.0	1065.5
1075.5	1075.5	1075.5	1.0	1075.5
1085.5	1085.5	1085.5	1.0	1085.5
1095.5	1095.5	1095.5	1.0	1095.5
1105.5	1105.5	1105.5	1.0	1105.5
1115.5				

P600 Dimensions (Cont'd)

P600 Models - F75



Dimensions in Inches (Millimeters)									
Input Frame Size	A	B	C	D	E	F	G	H	I
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100

P600 Specifications (Cont'd)

Performance Maximum Flow at Designated Pressure - Imperial *

Performance Maximum Flow at Designated Pressure - Imperial *									
Flow	100 psi	150 psi	200 psi	250 psi	300 psi	350 psi	400 psi	450 psi	500 psi
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100

*Capacity data shown is for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.

(1) Required Minimum

Performance Maximum Flow at Designated Pressure - Metric *

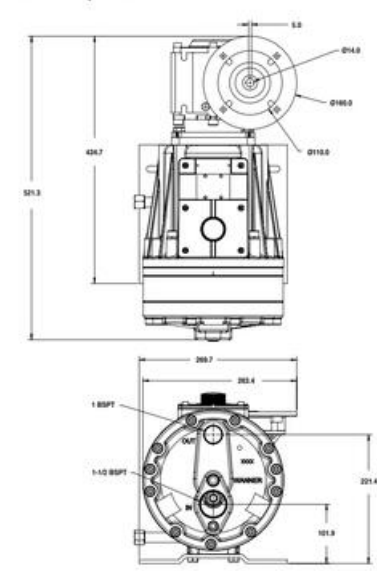
Performance Maximum Flow at Designated Pressure - Metric *									
Flow	10 bar	15 bar	20 bar	25 bar	30 bar	35 bar	40 bar	45 bar	50 bar
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100
Model	100	100	100	100	100	100	100	100	100

*Capacity data shown is for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.

(1) Required Minimum

Representative Drawings (mm)

Metallic Pump Heads



Performance - Flow Capacities and Pressure Ratings

For Synchronous Speed, Self-cooled Motors

L/hr Maximum Flow at Designated Pressure

Performance - Flow Capacities and Pressure Ratings									
L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100

Notes:
1. The motor kW are based on ambient temperature conditions up to 40°C. For ambient temperatures above 40°C, please contact Motor Manufacturer.
2. Capacity data is shown for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.
3. Capacity data is shown for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.
4. Based on using the motor.
5. Maximum continuous motor speed is 1800 rpm in full power.
6. No operation at reduced pressure below, please contact Motor Manufacturer.

For 10:1 Turndown, Self-cooled Motors

L/hr Maximum Flow at Designated Pressure

For 10:1 Turndown, Self-cooled Motors									
L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps	L/hr All Pumps
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100

Notes:
1. The motor kW are based on ambient temperature conditions up to 40°C. For ambient temperatures above 40°C, please contact Motor Manufacturer.
2. Capacity data is shown for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.
3. Capacity data is shown for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.
4. Based on using the motor.
5. Maximum continuous motor speed is 1800 rpm in full power.
6. No operation at reduced pressure below, please contact Motor Manufacturer.

See Page 1 for Electrical Flow Rate Limits