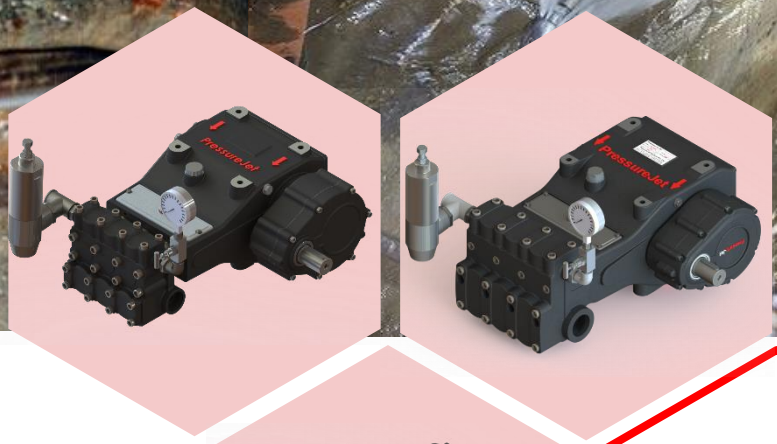
INDUSTRY LEADER IN THE

SEWER JETTING PUMPS



PressureJet®

EXPLORE THE WATER POWER

USE THE MOST DEPENDABLE AND ECONOMICAL SEWER JETTING PUMP AND SAY NO TO MANUAL SCAVENGING

WIDEST PRODUCT RANGE IN THE MARKET

MAKE IN INDIA

VOCAL FOR LOCAL

FLOW RATE

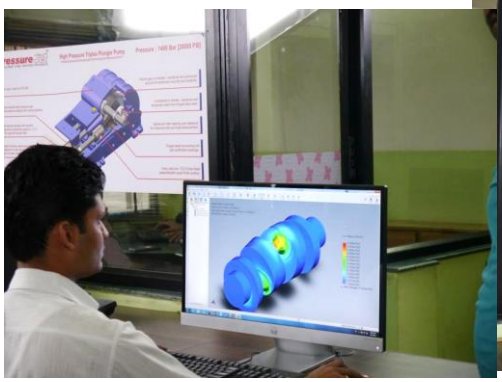
MIN. **14 L/MIN** TO MAX. **481 L/MIN**

www.sewerjettingpumps.com

ABOUT PRESSUREJET

PressureJet Systems Pvt. Ltd. was established in 1996 in Ahmedabad, India. PressureJet (An ISO 9001:2015 certified company) is a leading manufacturer of high pressure triplex plunger pumps and relevant accessories. These pumps are most suitable for Sewer Jetting applications. Today, PressureJet has a work force of more than 100 dedicated people. We have 70,000 Sq. ft. area in Asia's premier industrial estate in Ahmedabad. Out of which, 38,000 Sq. ft. area has been allocated for manufacturing activities.

DESIGN & DEVELOPMENT



PressureJet has an in-house Design & Development Department that continues strives to design pragmatic and cost-effective solution that fulfil customer's needs. It is equipped with 6 separate workstation with licensed modelling tools like SolidWorks 3-D software and has machine design analysis capabilities.

The Design and Development department of PressureJet is highly passionate about innovation and creating cutting edge products for clients. We have a team of highly qualified and passionate individuals who are always ready and eager to resolve any customer issues. This, along with our state-of-the-art infrastructure makes for one of the most advanced and dedicated Product Development department in the industry.

BARE PUMP ASSEMBLY

We don't simply talk about engineering, we put it in action, and this reflects in every aspect of our business. High pressure pumps are similar to engines in a lot of ways and should ideally have a dust free assembly shop, like the one at PressureJet. Ours is the only engineering company, after Toyota and Ford Motors, to use the highly sophisticated and very accurate Atlas Copco CNC Torque Wrench to assemble the pumps. In addition, we have developed in house some very special and highly accurate fixtures that ensure highly accurate assembly of pumps.

PRODUCTION FACILITY

The high-pressure pump manufacturing process requires manufacturing extremely high-quality components, at comparatively low volume.

Further, the high-pressure pump mechanism is similar to an engine and has a crank-shaft, connecting road, crank-case etc... And it converts rotary motion into reciprocating motion similar to an automobile engine. This necessitates use of components that have very high dimensional accuracy/smooth surface finish.

Today, PressureJet has world-class, state-of-the-art, highly accurate and extremely rugged branded machinery that ensure consistent manufacturing of very high precision critical components of high pressure pumps, which are at par with international quality. But then again, unlike most of other manufacturers, we don't want you to take us at face value. Adjectives can barely scratch the surface of what we do here at PressureJet. We are engineers, and we deal in facts and figures.

QUALITY CONTROL

PressureJet is equipped with the most advanced quality checking equipment among all high pressure plunger pump manufacturers in India. This enables the company's quality to stand head and shoulders above competitors. PressureJet believes in maintaining international quality standards for its products.

To the end, the company has invested over INR 10 million in establishing its Quality Checking department and checks all critical precision engineering components of the pumps in a controlled environment. It currently uses 257 sophisticated and different quality checking instruments across the entire manufacturing process-right from procurement of raw materials to final inspection and testing of pumps before dispatch.

PressureJet is the only High Pressure Pump manufacturing company in India that has the highest number of quality checking instruments that are procured, maintained and regularly used to ensure.

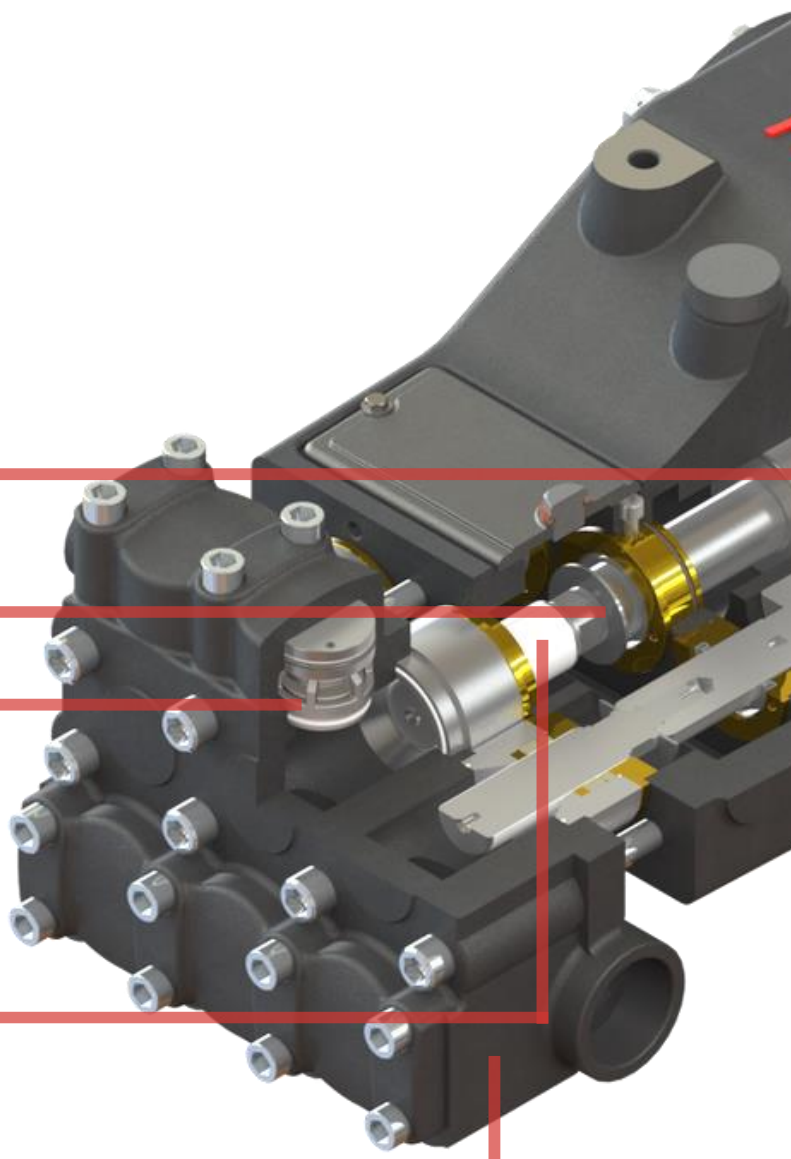
CROSS
SECTIONAL VIEW

PISTON/CROSS HEAD

Cross head is made of duct iron steel casting crosshead & stainless steel rod are hard surface coated & excellent surface roughness i.e. 0.4 Ra.

PLUNGER SEAL

PTFE Aramide / GFO Aramide rope: Aramide fiber yarn packing with PTFE fiber face or carbonaceous aramide yarn packing with GFO fiber face for high compressive & tensile strength ensure effective sealing.



COMPLETE VALVE INTERNAL (VALVE ASSEMBLY)

Valves made of stainless steel for hardened & anti corrosion hard surface coated for long life. High volumetric efficiency valves operate at 95% plus efficiency.

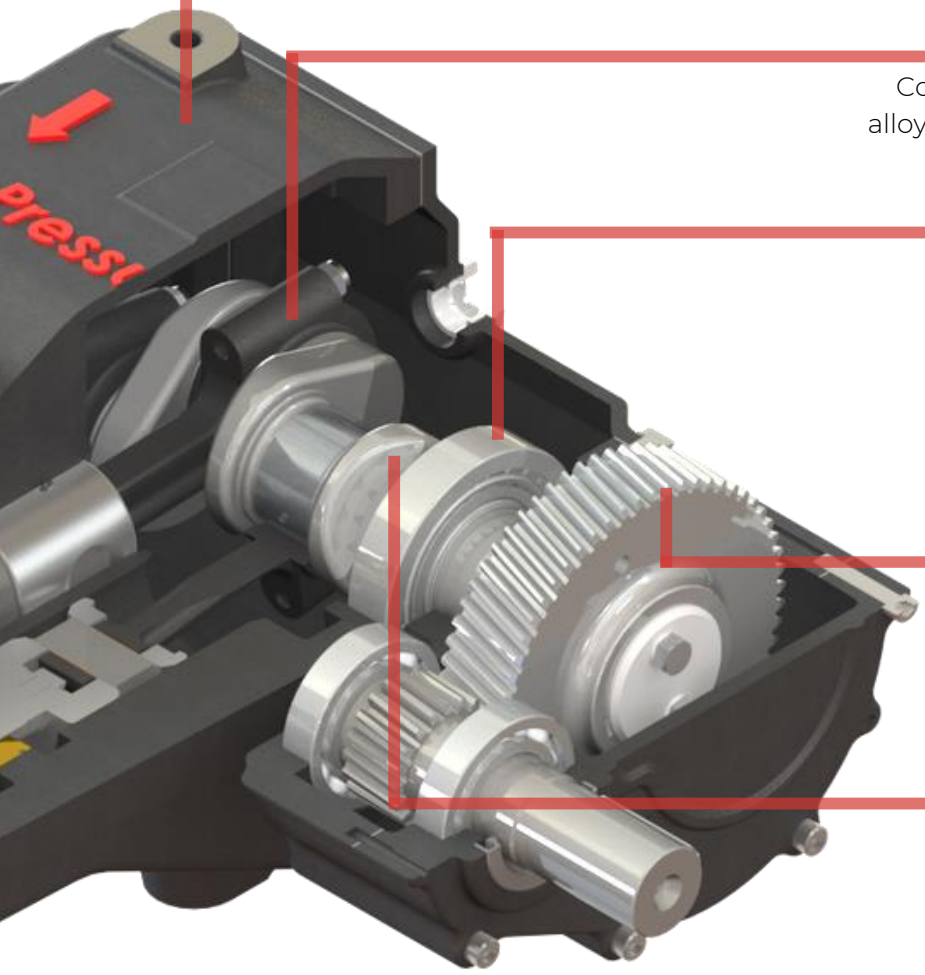
PLUNGER SOLID CERAMIC

Plunger made of solid ceramic with ss at surface roughness is extremely good i.e. 0.05 Ra.

PUMP HEAD

Pump head is made of SS 304 Casting.

CROSS SECTIONAL VIEW



CRANK CASE (MAIN BODY)

Crank case is made from cast Iron IS 210 : FG 260. General HMC machined with Honed surface finish bore with 0.4 Ra.

CONNECTING ROD

Connecting rod made from high strength forged alloy steel with antifriction bearings. Heavy pin area construction, for added load strength.

BEARING

Oversized for maximum life and load disbursement. Self-alignment roller bearing enables it to handle 26% more load than other pumps.

EXTERNAL HELICAL GEAR BOX

External gear box made from nitride alloy steel with DIN class 6 accuracy for extremely long life and durability.

CRANKSHAFT

The crankshaft is made of nitride alloy steel for extremely long life and durability.

.

SALIENT FEATURES

- Casting stainless steel pump head construction with high strength.
- Designed to perform under heavy duty application.
- Splash lubrication in the body.
- Easy field maintenance.
- Power input mounting can be equipped both side of the pump.
- Pump design suitable for in-built gear and belt drive.
- Suitable to connected with your mobile vehicle/truck for power supply.

MODEL
SELECTION CHART

PUMP SERIES	MODEL	PUMP SPEED	FLOW RATE LPM	PRESSURE IN BAR (POWER H.P)		
HW	NHDP 1415 R	1500	14	150 (5)		
	NPM 1525 R		15	250 (10)	180 (7)	
	NMT 2120 R		21	200 (11)	180 (10)	130 (7)
	NLT 3020 IR		30	200 (16)	155 (12)	125 (10)
	XLT 4017 IR		40	170 (17)	140 (15)	-
	XLT 5415 IR		54	150 (21)	130 (18)	-
	XXT 7015 IR		70	150 (29)	130 (24)	-
EA	EA-36	825	100	150 (39)	-	-
VA	VA-36	800	140	170 (62)	140 (51)	-
EA	EA-40	1000	155	135 (50)		
KBD	KBD-50	600	226	150 (60)		
EM	EM-45	800	267	155 (108)	145 (101)	-
	EM-50		330	125 (108)	-	-
ES	ES-55	672	345	200 (180)	175 (158)	140 (126)
	ES-60		412	170 (183)	145 (156)	-
	ES-65		481	145 (182)	-	-

** For Engine, Consider 12 to 20% Higher HP.

PRODUCT OVERVIEW

EA PUMPS
100 LPM | 150 Bar | 39 HP

VA PUMPS
140 LPM | 170 Bar | 62 HP

EA PUMPS
155 LPM | 135 Bar | 50 HP

KBD PUMPS
226 LPM | 150 Bar | 60 HP

EM PUMPS
267 LPM | 155 Bar | 108 HP

ES PUMPS
481 LPM | 145 Bar | 182 HP

SUCTION FILTERS

Capacity : **410 - 660 LPM @ 8 BAR Pressure**
Housing Seal : **NBR Material**
Screen Type : **Twill Waved SS - 300 Micron**
Weight : **3.9 kg to 6.9 kg**

PRESSURE REGULATING VALVE

Flow Rate : **14 - 500 LPM**
Pressure : **160 - 300 BAR**
Material : **SS 304**
Weight : **3.5 kg to 10.5 kg**

HW SERIES PUMP

SPECIFICATION

- Required Inlet Pressure : **Flooded to 2 Bar**
- Working Fluid Temperature : **60 °C**
- Liquid End Material : **Forged Brass**
- Oil Grade : **15 W 40**

MODEL

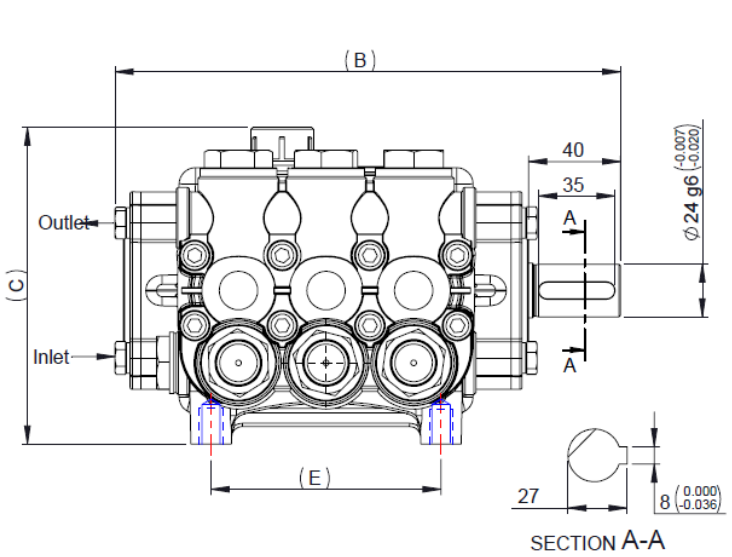
SELECTION CHART

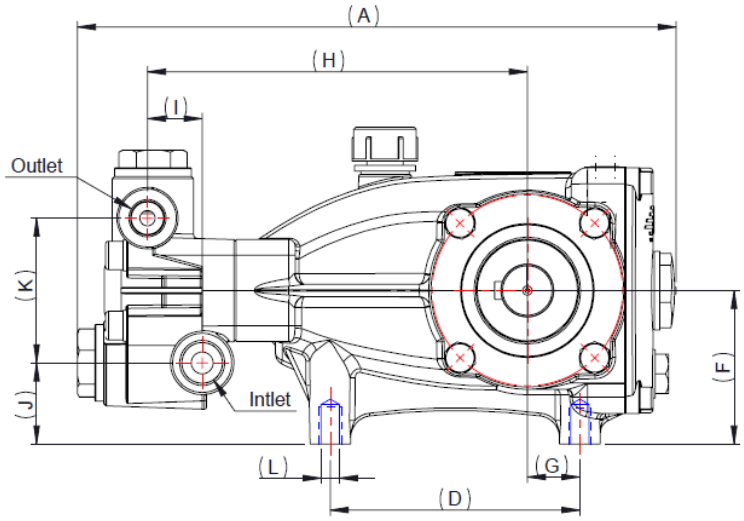
MODEL	PUMP SPEED	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)		
NHDP 1415 R		**14**	**150 (5)**	**-**	**-**
NPM 1525 R		**15**	**250 (10)**	**180 (7)**	**-**
NMT 2120 R		**21**	**200 (11)**	**180 (10)**	**130 (7)**
NLT 3020 IR	**1500**	**30**	**200 (15)**	**155 (12)**	**125 (10)**
XLT 4015 IR		**40**	**170 (17)**	**140 (14)**	**-**
XLT 5415 IR		**54**	**150 (21)**	**130 (18)**	**-**
XXT 7015 IR		**70**	**150 (29)**	**130 (23)**	**-**

** For Engine, Consider 12 to 20% Higher HP.

DIMENSION

DRAWING

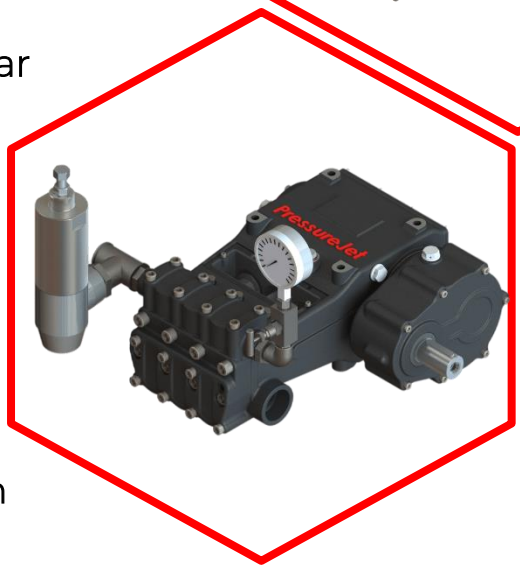




Model	A	B	C	D	E	F	G	H	I	J	K	L	Inlet BSPF	Outlet BSPF
NHDP 1415 R	267	213	135	80	90	61	27	156	5	31	56	M8x10↓		
NPM 1525 R	274	238	115	90	105	70	24	174	25	37	66		1/2"	3/8"
NMT 2120 R	274	238	145	90	105	70	24	174	25	37	66			
NLT 3020 IR	334	248	169	145	105	82	42	205	12	42	77	M10x14↓		
XLT 4017 IR XLT 5415 IR	342	263	169	145	105	82	42	218	28	35	87		3/4"	1/2"
XXT 7015 IR	345	263	169	145	105	82	42	199	10	35	91		1"	3/4"

EA SERIES PUMP

SPECIFICATION



- Plunger Stroke : **40 mm**
- Maximum Plunger Speed : **1.31 m/sec. @825 SPM**
- Plunger Force : **15.89 KN**
- Required Inlet Pressure : **Flooded to 2 Bar**
- Inlet Connection : **2" BSPF**
- Outlet Connection : **1" BSPF**
- Working Fluid Temperature : **60 °C**
- Oil Capacity : **5 Liters**
- Oil Grade : **Gear Oil 220**
- Transmission Type : **Direct Couple (In-built gears)**
- Dimensions : **542 x 513 x 210 (LxBxH) mm**
- Weight : **106 kg**

MODEL

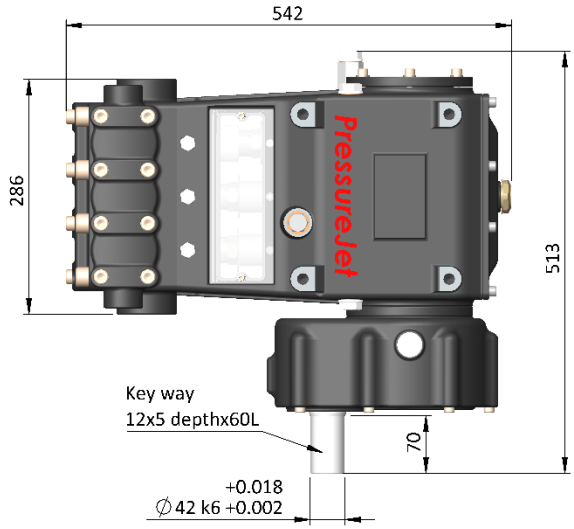
SELECTION CHART

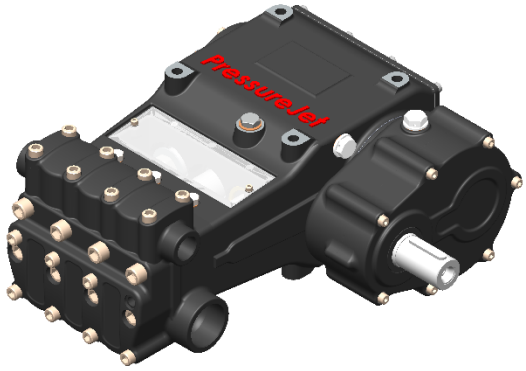
MODEL	SPM@1500 RPM	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)	
EA-36	**825**	**100**	**150 (39)**	**-**

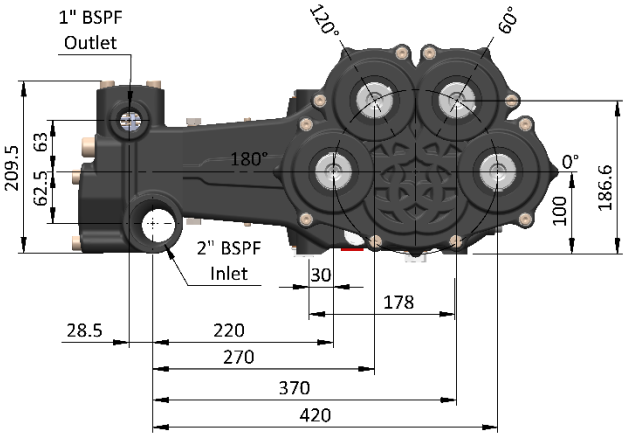
** For Engine, Consider 12 to 20% Higher HP.

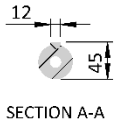
DIMENSION

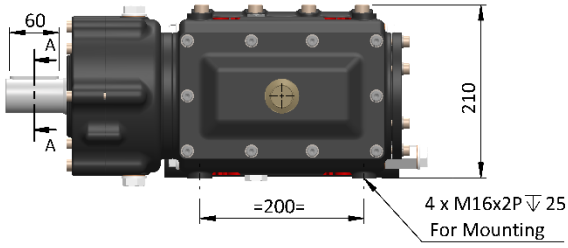
DRAWING











VA SERIES PUMP

SPECIFICATION

- Plunger Stroke : 57 mm
- Maximum Plunger Speed : 1.52 m/sec. @800 SPM
- Plunger Force : 23.5 KN
- Required Inlet Pressure : Flooded to 2 Bar
- Inlet Connection : 2” BSPF
- Outlet Connection : 1” BSPF
- Working Fluid Temperature : 60 °C
- Oil Capacity : 8 Liters
- Oil Grade : Gear Oil 220
- Transmission Type : Direct Couple (In-built gears)
- Dimensions : 721 x 625 x 264 (LxBxH) mm
- Weight: 197 kg

MODEL

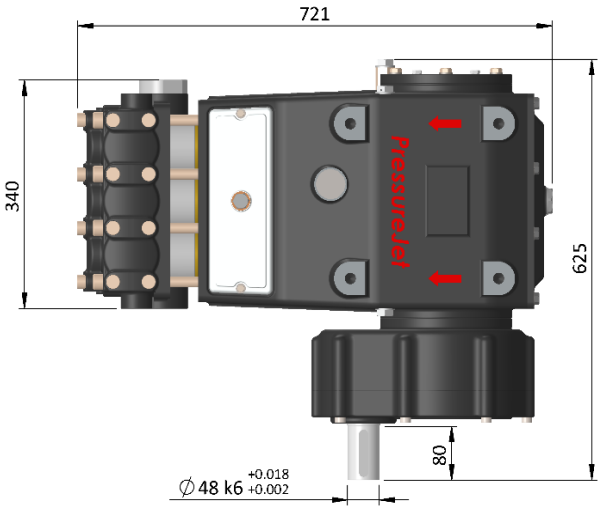
SELECTION CHART

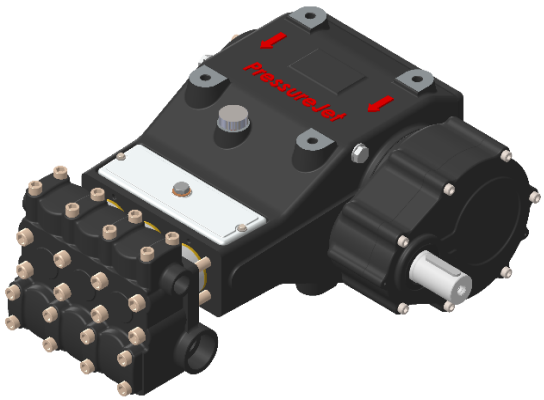
MODEL	SPM@1500 RPM	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)	
VA-36	**800**	**140**	**170 (62)**	**140 (51)**

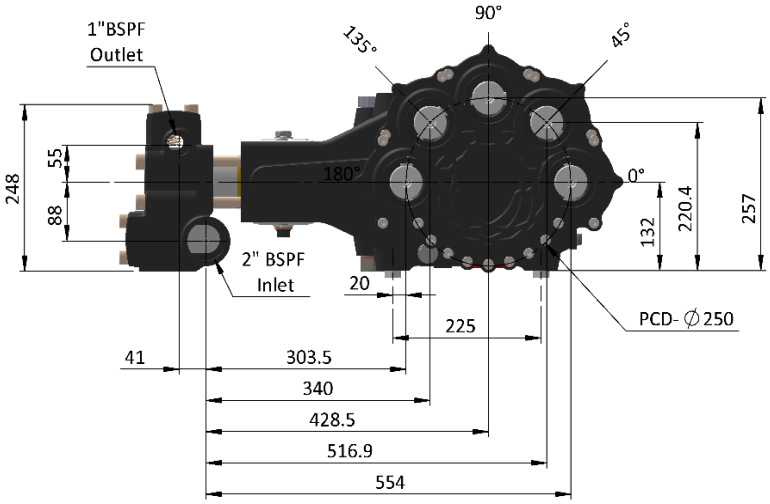
** For Engine, Consider 12 to 20% Higher HP.

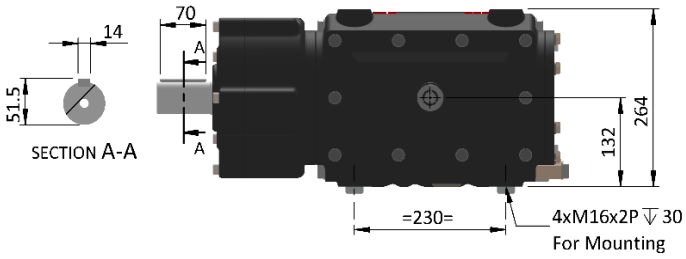
DIMENSION

DRAWING





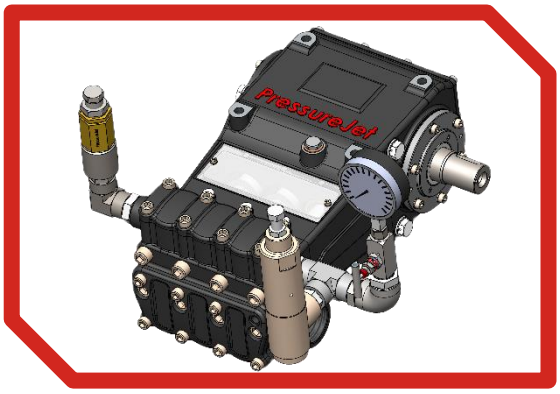




EA SERIES PUMP

SPECIFICATION

- Plunger Stroke : **40 mm**
- Maximum Plunger Speed : **1.56 m/sec. @1000 SPM**
- Plunger Force : **15.89 KN**
- Required Inlet Pressure : **Flooded to 2 Bar**
- Inlet Connection : **2" BSPF**
- Outlet Connection : **1" BSPF**
- Working Fluid Temperature : **60 °C**
- Oil Capacity : **5 Liters**
- Oil Grade : **Gear Oil 220**
- Transmission Type : **Direct Couple**
- Dimensions : **542 x 382 x 215 (LxBxH) mm**
- Weight : **90 kg**



MODEL

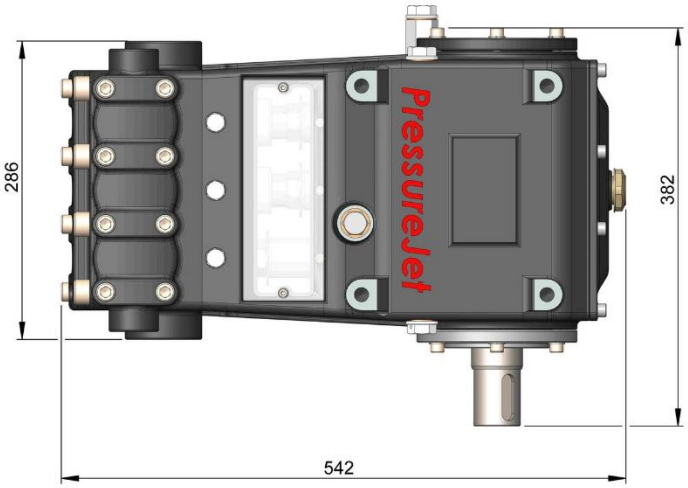
SELECTION CHART

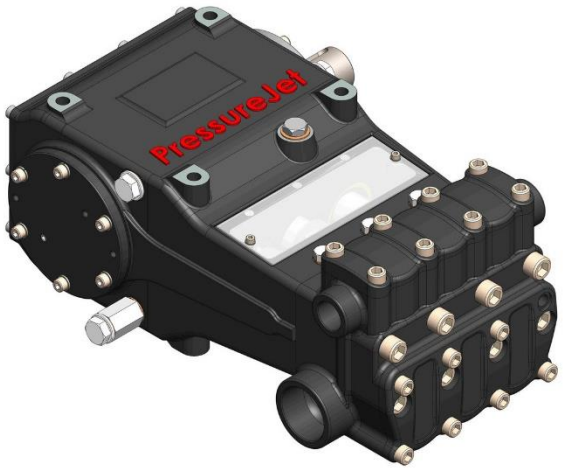
MODEL	SPM@1500 RPM	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)	
EA-40	**1000**	**155**	**135 (50)**	**-**

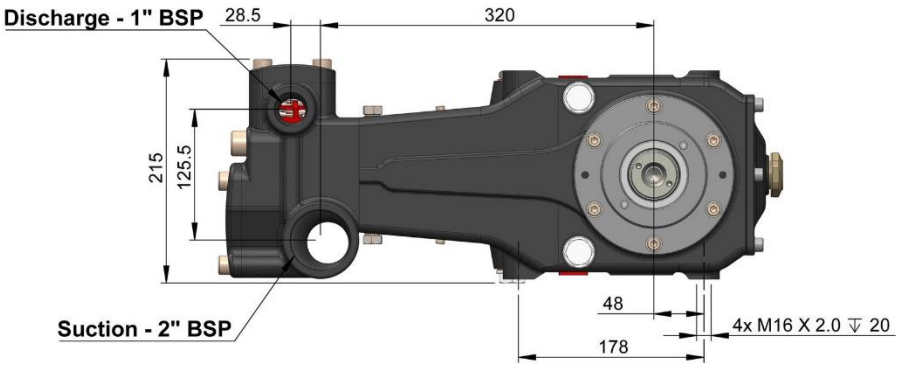
** For Engine, Consider 12 to 20% Higher HP.

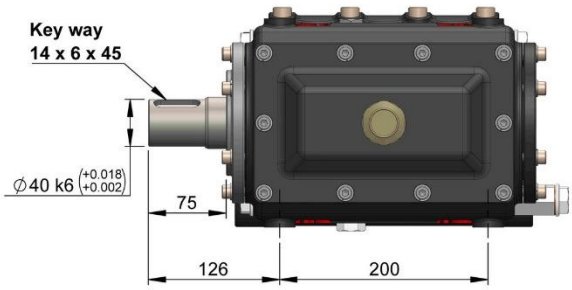
DIMENSION

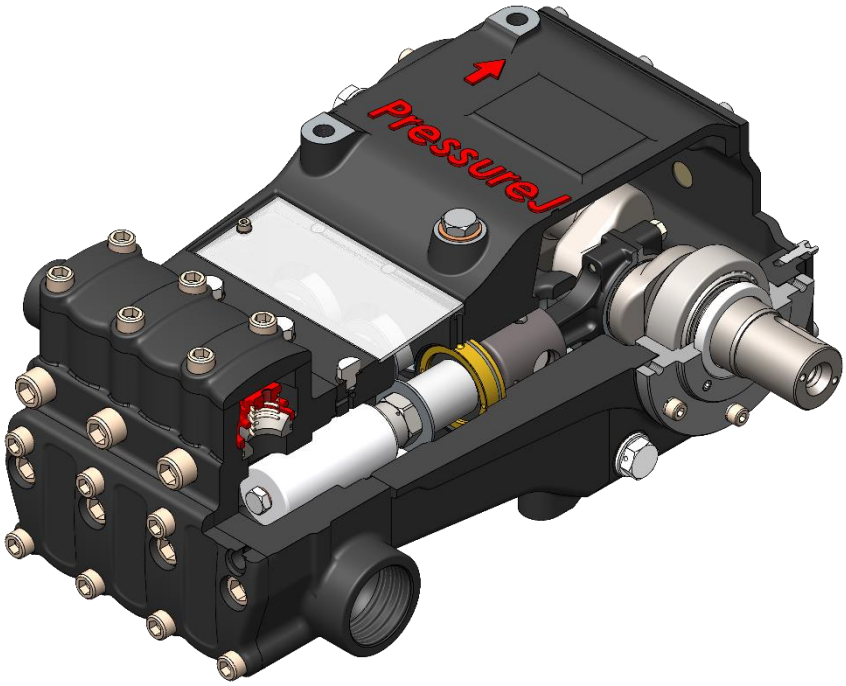
DRAWING







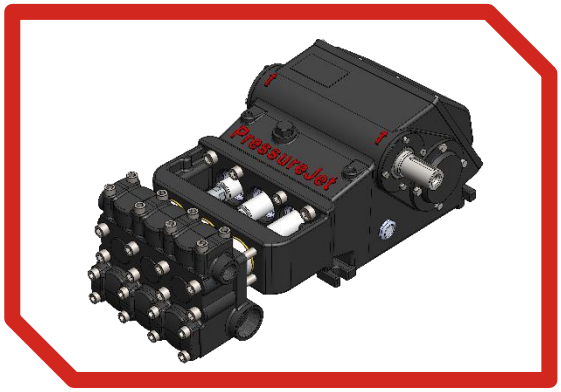


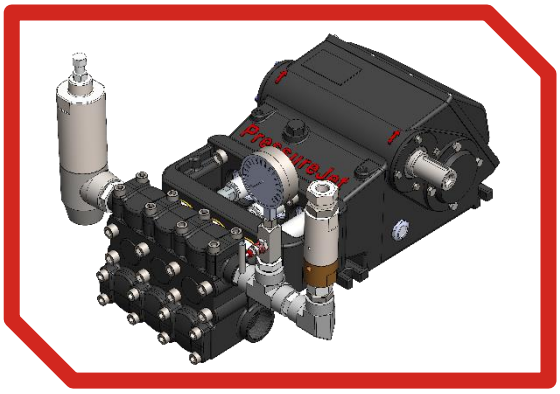


KBD SERIES PUMP

SPECIFICATION

- Plunger Stroke : **75 mm**
- Maximum Plunger Speed : **1.50 m/sec. @600 SPM**
- Plunger Force : **31.15 KN**
- Required Inlet Pressure : **Flooded to 2 Bar**
- Inlet Connection : **2" BSPF**
- Outlet Connection : **1" BSPF**
- Working Fluid Temperature : **60 °C**
- Oil Capacity : **8 Liters**
- Oil Grade : **Gear Oil 220**
- Transmission Type : **Direct Couple**
- Dimensions : **825 x 448 x 331 (LxBxH) mm**
- Weight : **210 kg**





MODEL

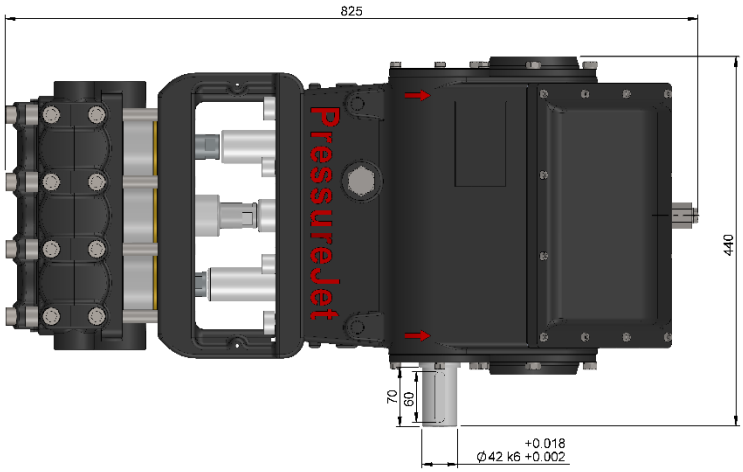
SELECTION CHART

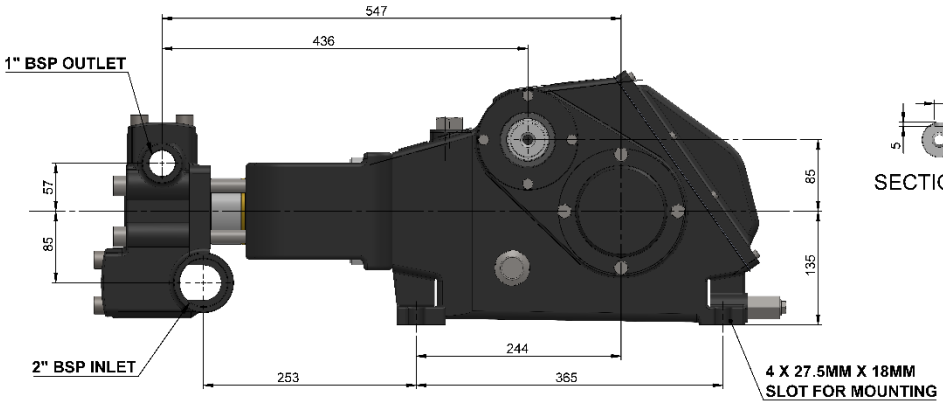
MODEL	SPM@1500 RPM	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)	
KBD-50	**600**	**226**	**150 (60)**	**-**

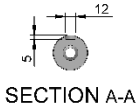
** For Engine, Consider 12 to 20% Higher HP.

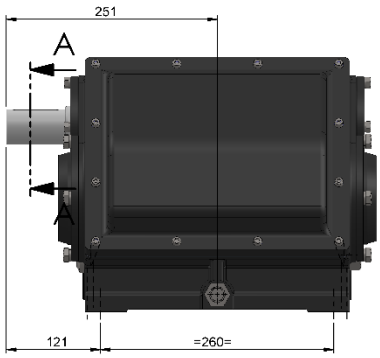
DIMENSION

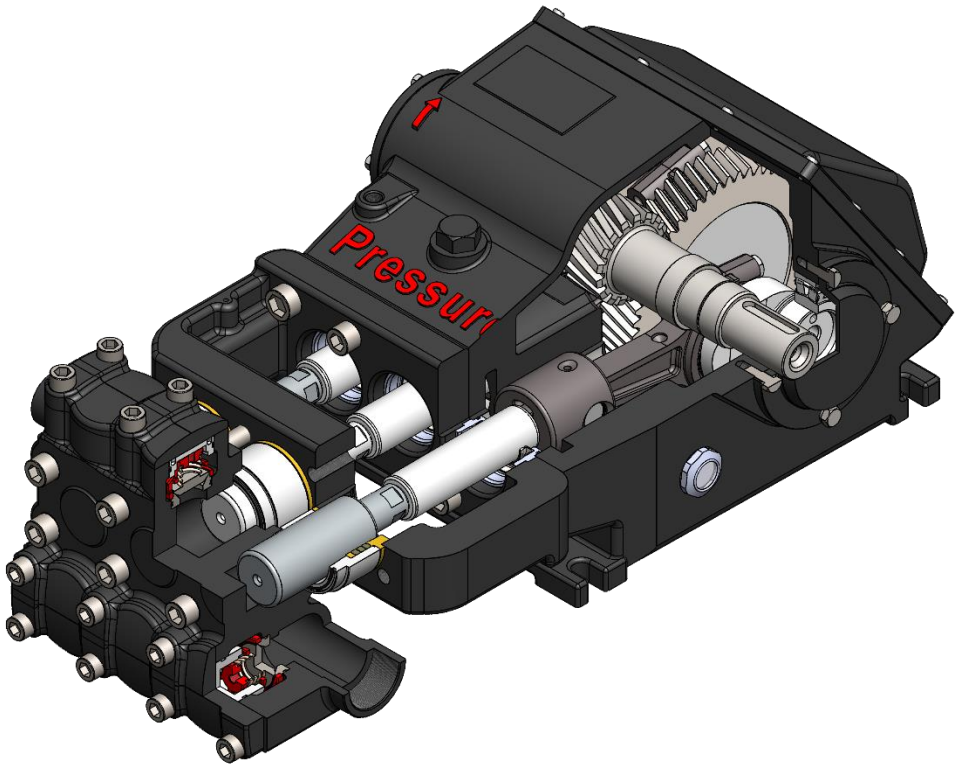
DRAWING







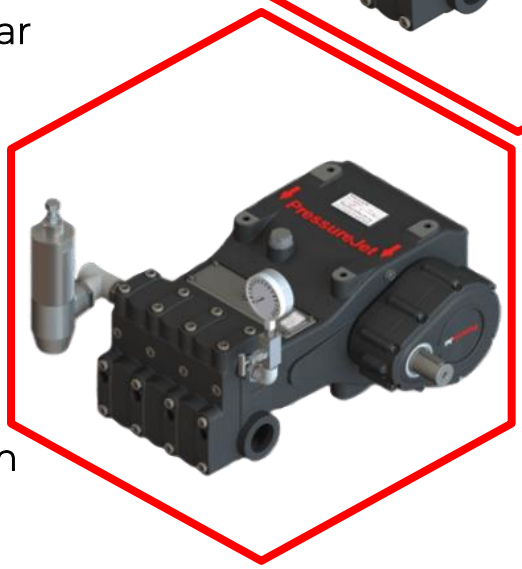




EM SERIES PUMP

SPECIFICATION

- Plunger Stroke : 70 mm
- Maximum Plunger Speed : 1.86 m/sec. @800 SPM
- Plunger Force : 24.6 KN
- Required Inlet Pressure : Flooded to 2 Bar
- Inlet Connection : 3” BSPF
- Outlet Connection : 1” BSPF
- Working Fluid Temperature : 60 °C
- Oil Capacity : 8 Liters
- Oil Grade : Gear Oil 220
- Transmission Type : Direct Couple (In-built gears)
- Dimensions : 756 x 586 x 301 (LxBxH) mm
- Weight : 374 kg



MODEL

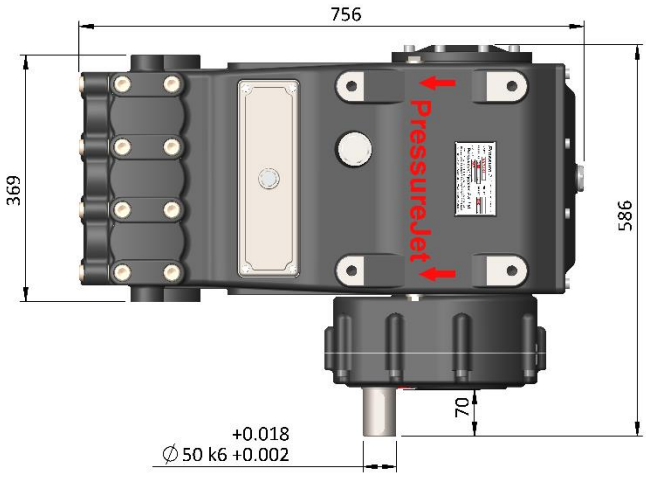
SELECTION CHART

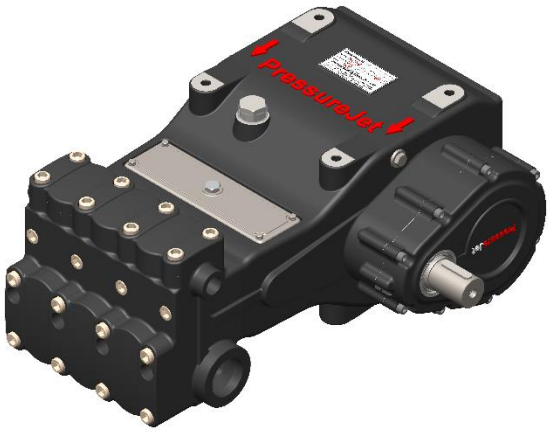
MODEL	SPM@1500 RPM	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)	
EM-45	800	267	155 (108)	145 (101)
EM-50		330	125 (108)	-

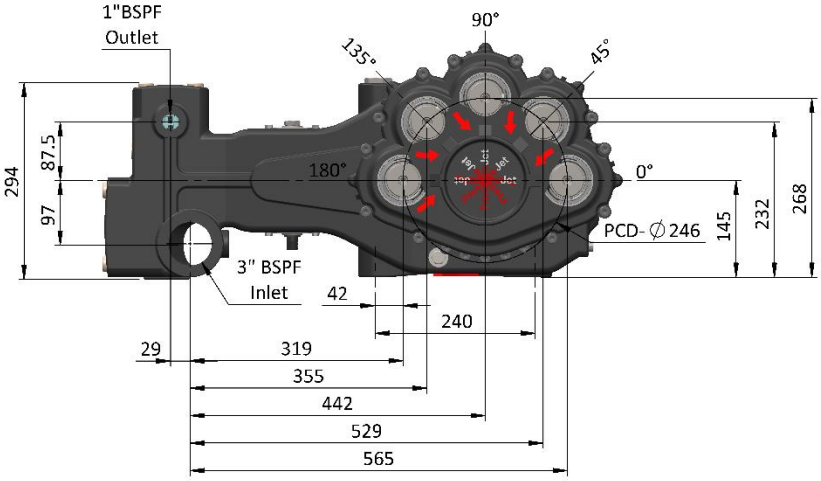
** For Engine, Consider 12 to 20% Higher HP.

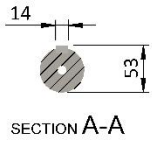
DIMENSION

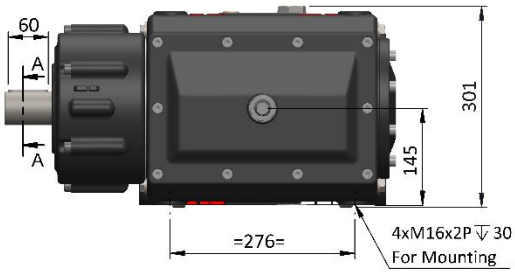
DRAWING

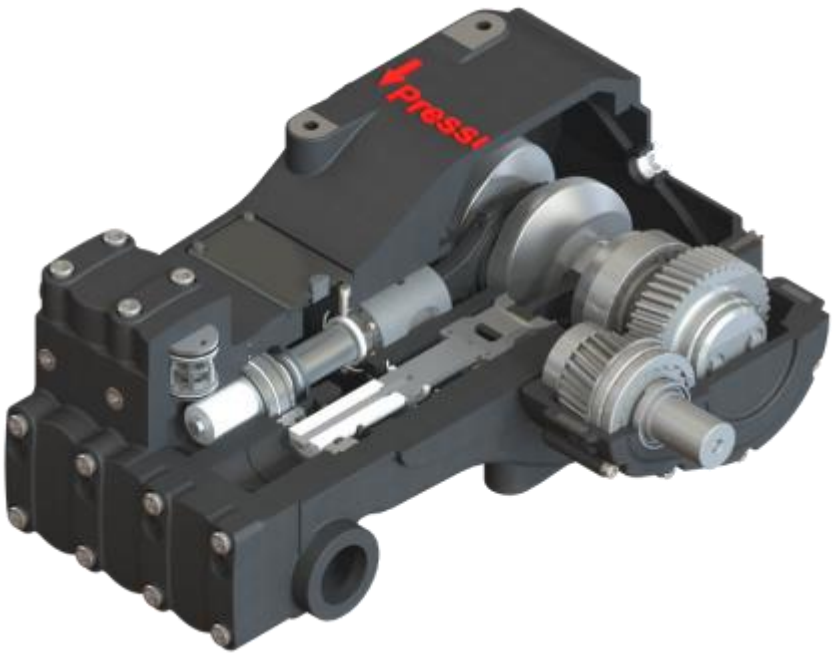












ES SERIES PUMP

SPECIFICATION

- Plunger Stroke : 72 mm
- Maximum Plunger Speed : 1.61 m/sec. @672 SPM
- Plunger Force : 47.92 KN
- Required Inlet Pressure : Flooded to 2 Bar
- Inlet Connection : 3" BSPF
- Outlet Connection : 1-1/2" BSPF
- Working Fluid Temperature : 60 °C
- Oil Capacity : 12 Liters
- Oil Grade : Gear Oil 220
- Transmission Type : Direct Couple (In-built gears)
- Dimensions : 840 x 748 x 360 (LxBxH) mm
- Weight : 423 kg

MODEL

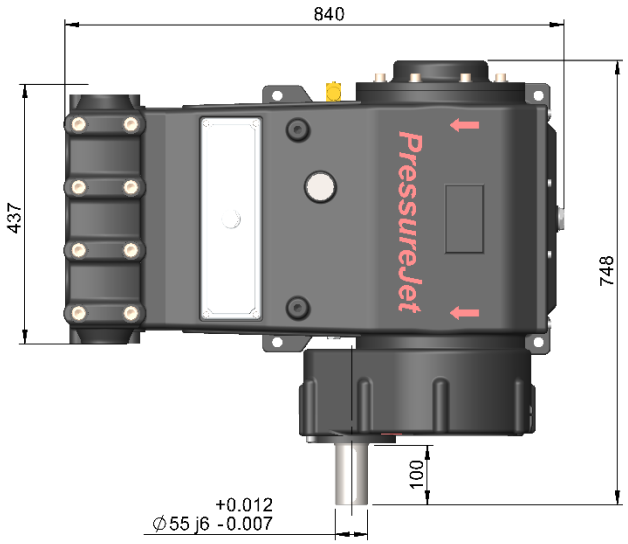
SELECTION CHART

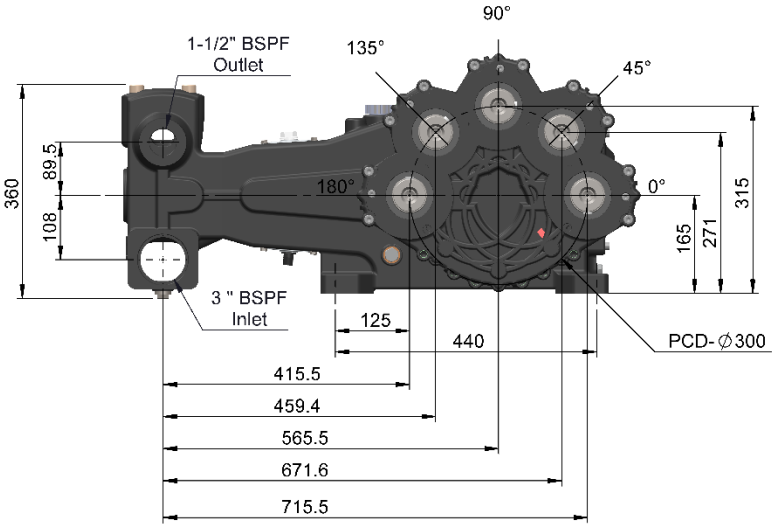
MODEL	SPM@1500 RPM	FLOW RATE LPM	PRESSURE IN BAR (POWER IN HP)		
ES-55	672	345	200 (180)	175 (158)	140 (126)
ES-60		412	170 (183)	145 (156)	-
ES-65		481	145 (182)	-	-

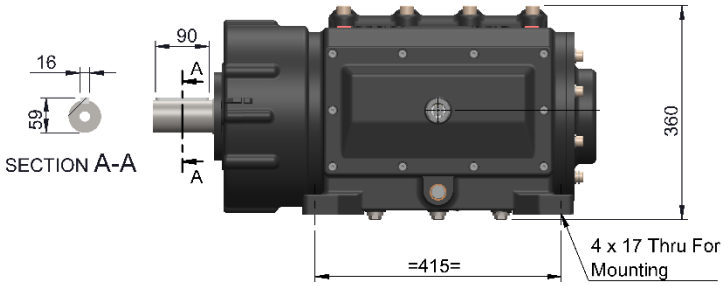
** For Engine, Consider 12 to 20% Higher HP.

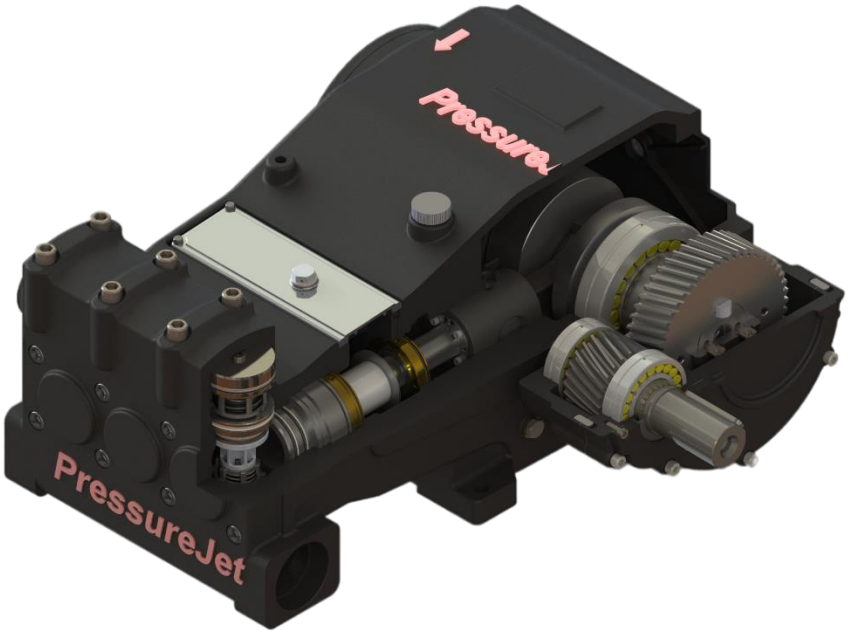
DIMENSION

DRAWING

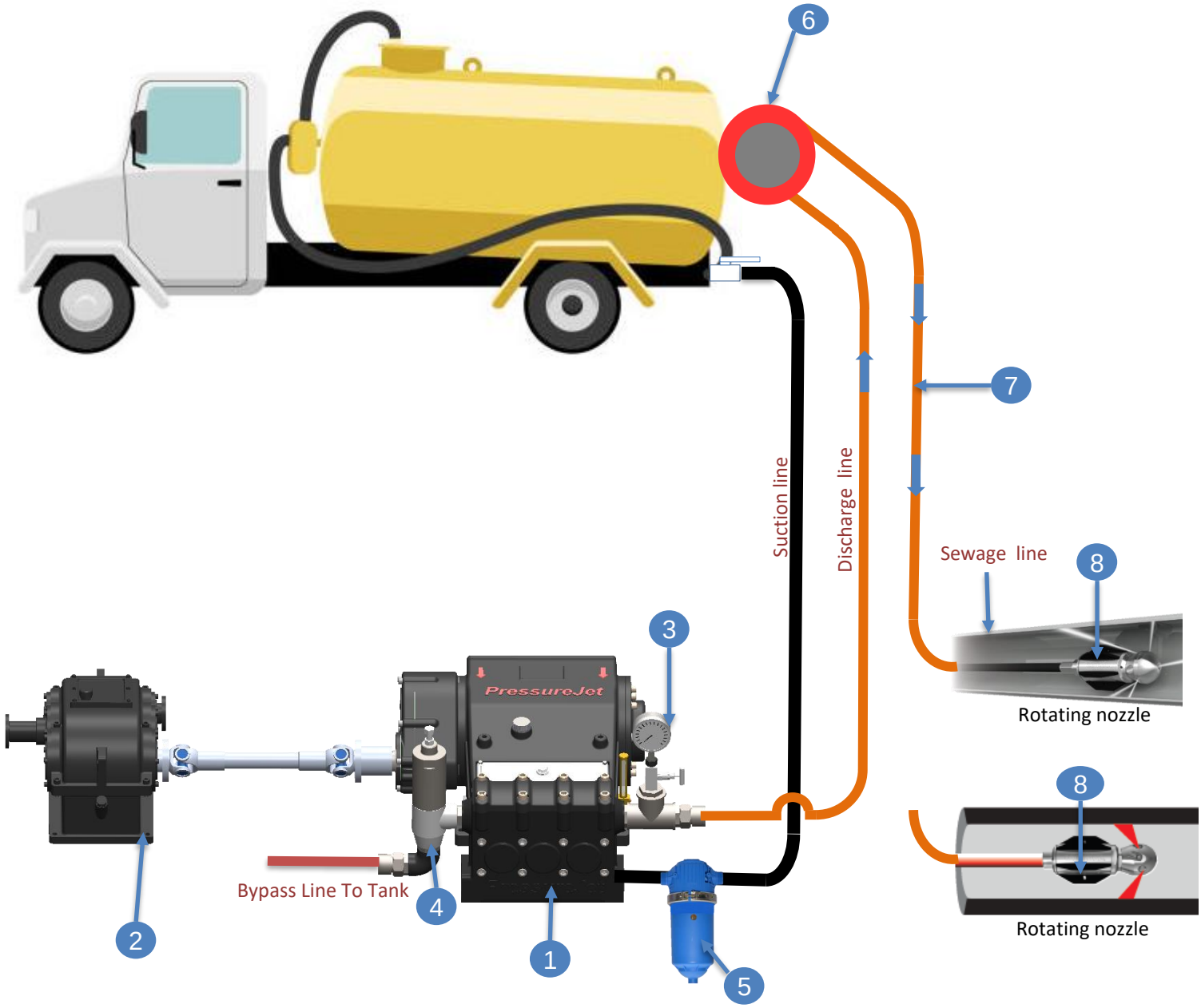








LINE DIAGRAM



S.N.	Item Description
1	**Bare Pump**
2	**Power Take-Off (PTO)**
3	**Pressure Gauge**
4	**Pressure Regulating Valve**
5	**Suction Filter**
6	**Hose Reel**
7	**High Pressure Hose Pipe**
8	**Sewer Jetting Nozzles**

OUR EXPORT FOOTPRINTS

ACROSS 50+ COUNTRIES

CLIENT

LIST

SINCE 1946 MANIAR®

ARYAN
we serve... to conserve

ENSOL™

IPWT

USHA

Nature Green NG Tools and Machines

Cleaning & Maintenance with Ease & Dignity
KAM-AVIDA
ENVIRO ENGINEERS PVT. LTD.

Yantrik
AGRITECH PVT. LTD.

SPEED®
Total Mechanised Cleaning Solution

Quality™
ENVIRO ENGINEERS (P) LTD.

SEES

AND MANY MORE....

PressureJet®

EXPLORE THE WATER POWER

IMPORTANT NOTE:

OWING TO CONTINUOUS R & D, ANY TECHNICAL DETAILS & SPECIFICATIONS MENTIONED IN THIS CATALOG ARE LIABLE TO CHANGE ANYTIME.

 FOR LATEST INFORMATION & MORE DETAILS, PLEASE VISIT OUR WEBSITE.

OUR WEBSITE IS FULLY INFORMATIVE, EXHAUSTIVE, AND COMMUNICATIVE. IT IS DESIGNED TO PROVIDE MAXIMUM INFORMATION IN THE MOST PRECISE FORM TO HELP OUR VALUED CUSTOMERS TO TAKE A QUICK AND RIGHT DECISION.

CALL US ON

+91 93139 22757

WRITE TO US AT

sales@pressurejet.com

VISIT

PRESSUREJET SYSTEMS PVT. LTD.

Plot No. 21-24, Panchratna Industrial Estate,
Near Ode Village, Paldi Kankaj, Pirana,
Ahmedabad – 382 427, Gujarat, INDIA

www.sewerjettingpumps.com