

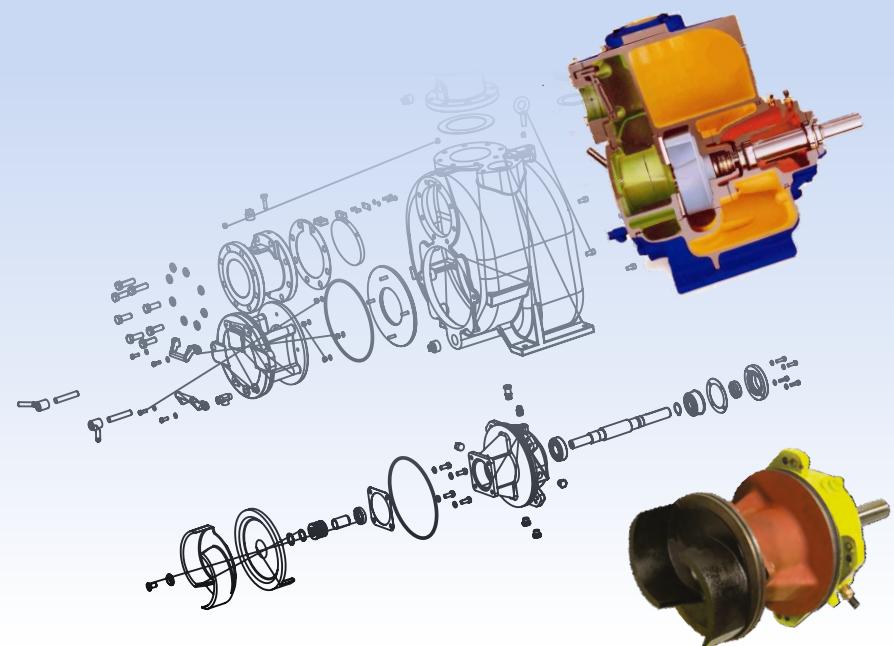


ACS BEAST PUMP

ACS TECHNOLOGIES LIMITED



HEAVY DUTY TRASH PUMPS



ACS BEAST

HEAVY DUTY TRASH PUMPS

CONSTRUCTION

Materials For all BEAST Series models

Cast Iron, 316 Stainless Steel and CD4MC

SPECIFICATIONS

MODEL	Discharge	Capacity Max	Head Max	Solids Max
BEAST 50	50mm	13 l/s	39m	44mm
BEAST 80	80mm	29 l/s	44m	63mm
BEAST 100	100mm	45 l/s	44m	76mm
BEAST 150	150mm	92 l/s	37m	76mm
BEAST 200	200mm	170 l/s	38m	76mm
BEAST 250	250mm	210 l/s	49m	76mm

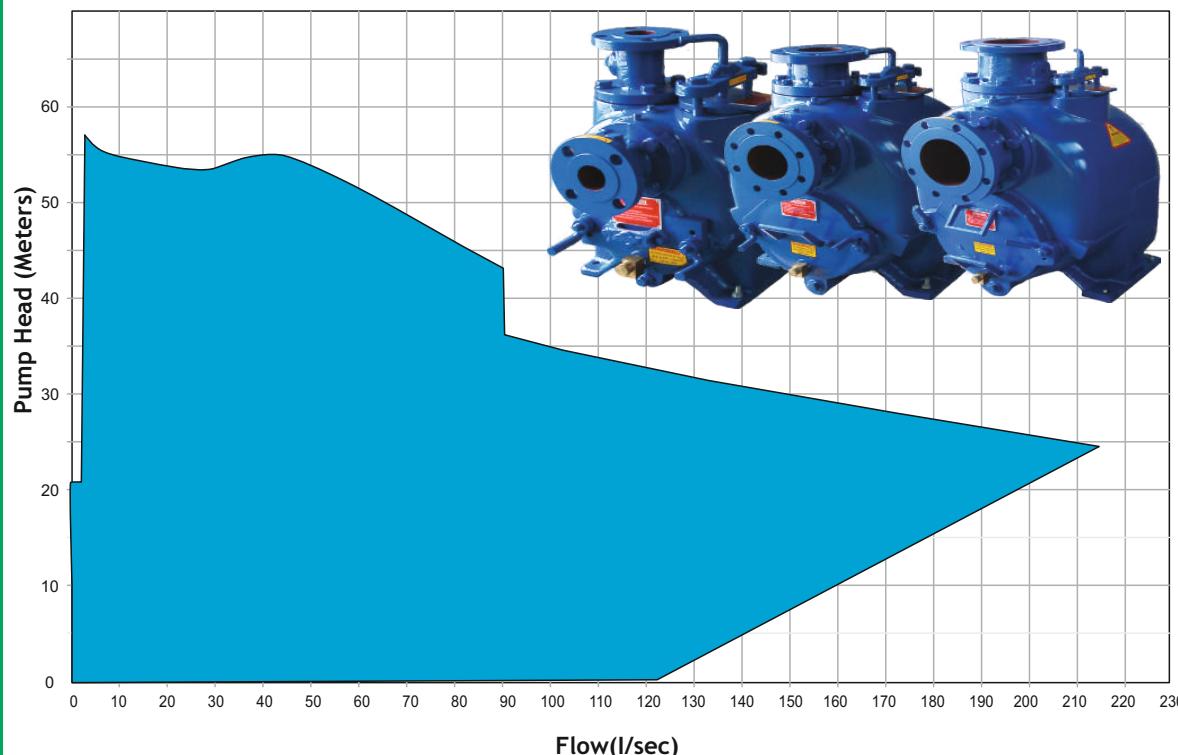
BEARING ASSEMBLY



A sensible solution for Industry, **BEAST** Series Pumps are self priming with dependable performance. Pumps require little maintenance resulting in significant savings of time and money.

PERFORMANCE CURVE

The Performance Curve indicates Total Metres Head vs Flow Rate



ACS BEAST

BEAST 50 Series - 2"

BEAST 80 Series - 3"

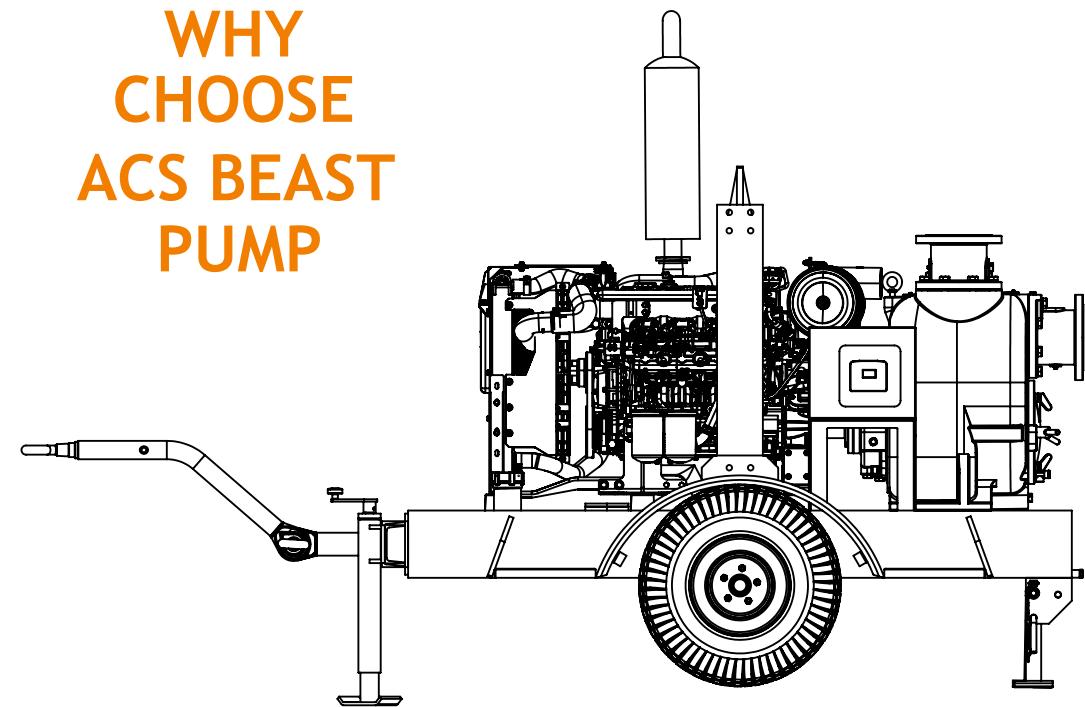
BEAST 100 Series - 4"

BEAST 150 Series - 6"

BEAST 200 Series - 8"



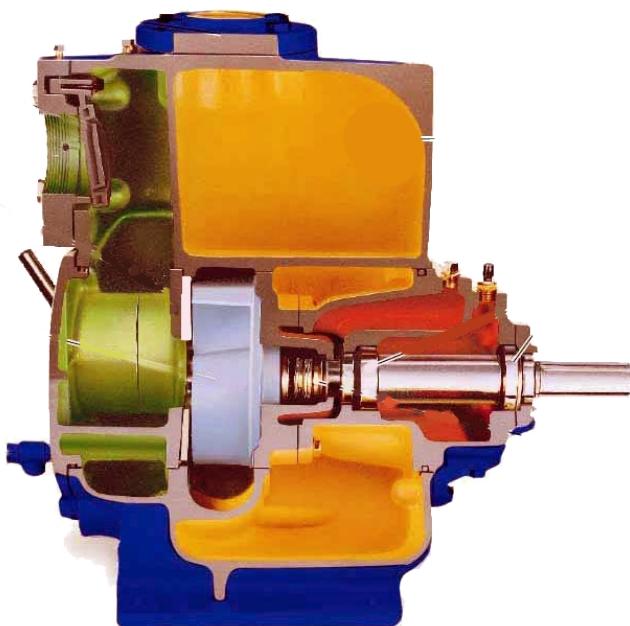
WHY CHOOSE ACS BEAST PUMP



- SOLID REPUTATION
- ROBUST CONSTRUCTION
- SELF PRIMING
- BACK PULL-OUT DESIGN
- LOW INSTALLATION COSTS
- EASY MAINTENANCE
- GUARANTEED SUPPORT

ACS BEAST PUMP

Renowned for their reliability
A lasting investment.



CONFIGURATION

BEAST Pumps can be supplied in many configurations to meet many industry and mining applications. They are designed for economic trouble free operation in handling solids laden liquids and slurries.

CONSTRUCTION

CAMRY 316 Stainless Steel Pumps are ideal for corrosive and aggressive liquids.

Pumps are available in different materials suited to handle the toughest environments.

AUTOMATIC REPRIME

Pumps feature large volute which allow them to reprime automatically.

SPARE PARTS

ACS BEAST is supported by a complete range of parts to keep your pumps in top condition.

LOW SERVICE COSTS

Removable back plate design enables quick and easy access to the pump internals with very low service costs.

TRUSTED REPUTATION. PROVEN PERFORMANCE.

BEAST is a product of years of research and development expertise. We have been meeting the challenging needs of our clients for many years, by making sure they have the right equipment to get the work done. BEAST is the solution for all aspects of waste water, sewerage, mining and solids laden liquids.

CREATING SOLUTIONS FOR A BETTER FUTURE.

Being the best takes determination, dedication and a desire for excellence. Using up-to-date technology and extensive research puts us ahead.

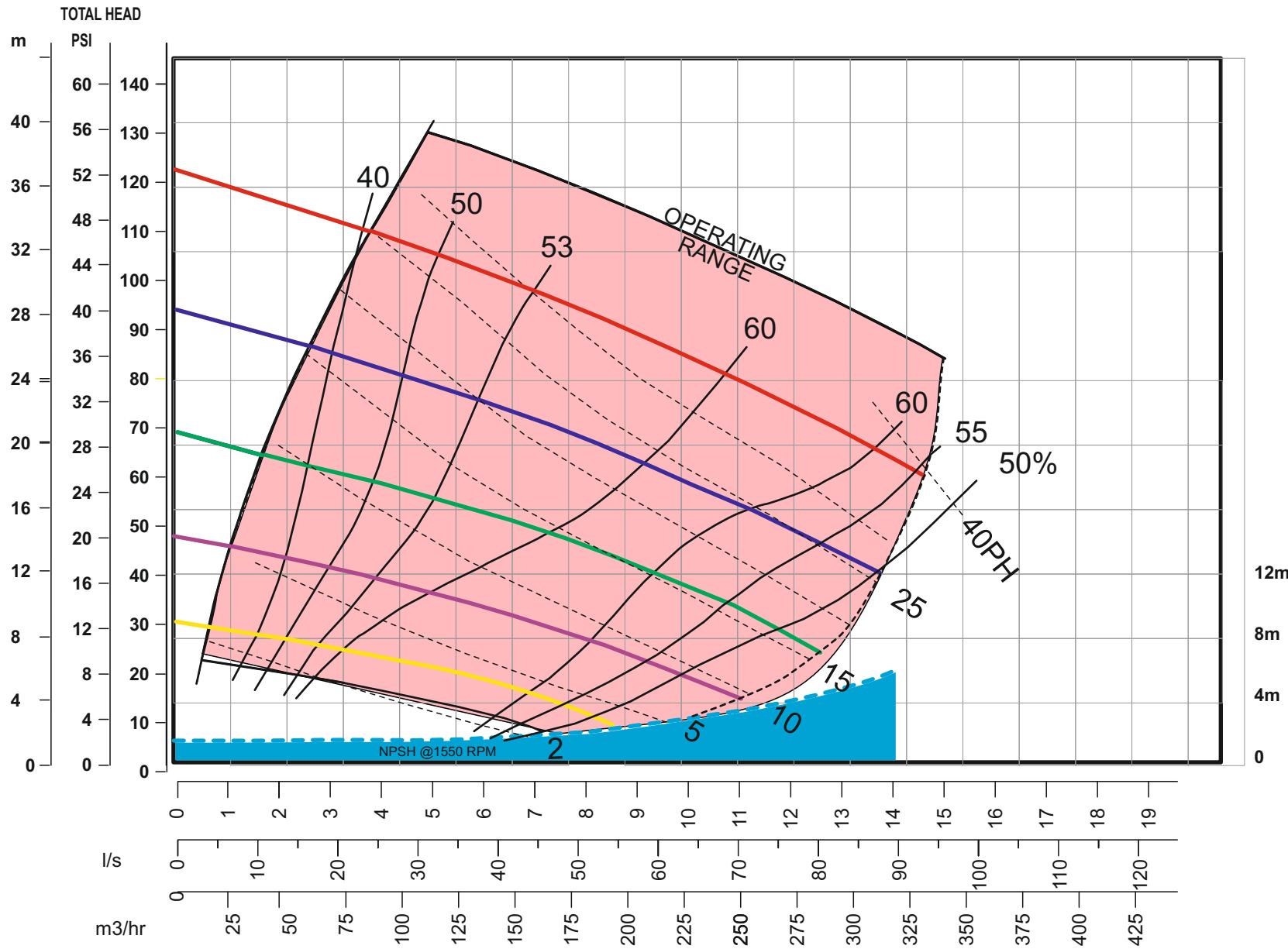
QUALITY GUARANTEED.

Renowned for their reliable robust operation, every product is subject to rigorous stringent testing and re-testing requirements. Using up-to-date technology and rugged construction materials, ACS Pumps are built to last. We guarantee we will provide the performance, quality and power you

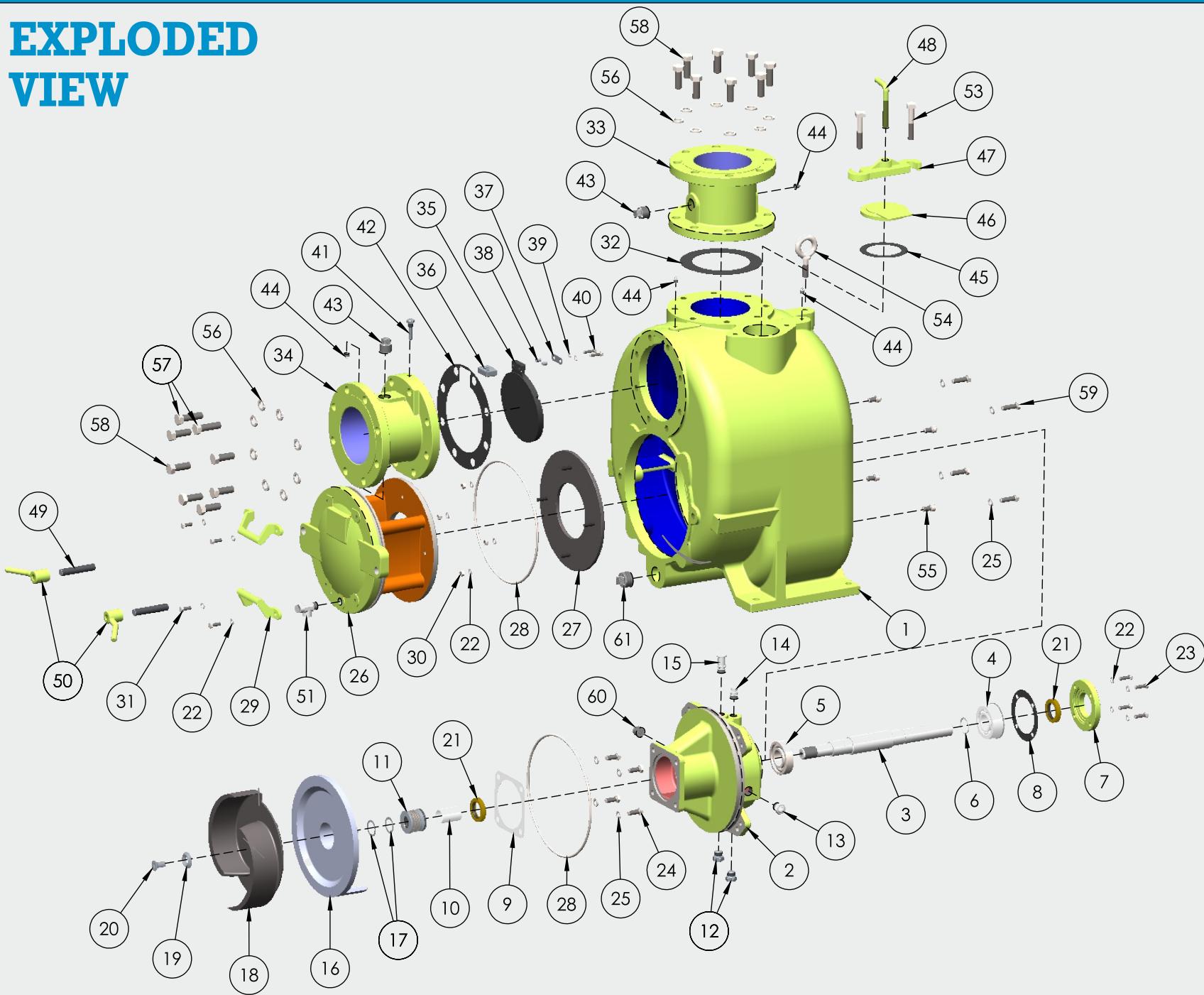
SERVICE AND BACKUP

ACS BEAST is supported by an extensive range of spare parts and accessories to keep your equipment performing at its best.

PERFORMANCE CURVE 6"X6"



EXPLODED VIEW



ACS BEAST

HEAVY DUTY TRASH PUMPS



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	RT150 MOTOR BODY	MOTOR BODY FOR RT150	SGI 500/7	1
2	BEARING HOUSING RT150	BEARING HOUSING FOR RT150	SGI 500/7	1
3	SHAFT RT150	SHAFT FOR RT150	SS304	1
4	3308 NR	SKF-BEARING-3308-NR	SKF/FIG	1
5	6308	RADIAL BALL BEARING	SKF/FIG	1
6	CIRCLIP DIN 471 - 40 X 1.75	EXTERNAL CIRCLIP - Ø 40*1.75MM	SPRING STEEL	1
7	RT-SP BEARING COVER RT150	RT-SP BEARING COVER FOR RT150	SGI 500/7	1
8	BEARING COVER GASKET RT150	BEARING COVER GASKET FOR RT150	NBR	1
9	BACK PLATE PAPER GASKET	BACK PLATE PAPER GASKET- Ø 128*1mm	NBR	1
10	SHAFT SLEEVE	SHAFT SLEEVE FOR RT150	SKD11	1
11	D1.5-MS	1.5"(40 mm) MECHANICAL SEAL RT150	MECHANICAL SEAL	1
12	G11/2"-BSP	BSP 1/2" DRAIN PLUG	CAST STEEL	2
13	3/4"-BSPT SIGHT GLASS	DOMED 3/4"- BSPT- SIGHT GLASS	ALUMINIUM	1
14	11/2" BREATHER CAP	BSP 1/2" BREATHER CAP	BRONZE	1
15	11/2" BREATHER CAP LONG	BSP 1/2" BREATHER CAP LONG	BRONZE	1
16	RT 150 BACK PLATE1	BACK PLATE FOR RT150	SGI 500/7	1
17	IMPELLER SHIM	IMPELLER SHIM	SS304	2
18	RT150 IMPELLER IHP 321	IMPELLER FOR RT150	SGI 500/7	1
19	IMPELLER WASHER	IMPELLER WASHER	SS304	1
20	IMPELLER SCREW	IMPELLER SCREW	SS304	1
21	METAL CASE OIL SEAL	METAL CASE OIL SEAL-63.5*39.7*12.5		2
22	REGULAR LW 0.375	3/8"- REGULAR SPRING LOCK WASHER	SS304	12
23	HFBOLT 0.375-16X1.25X1.25-C	HEX FINISHED BOLT 3/8"-16(TPI) X 1.25" X 1.25"-C	SS304	4
24	HFBOLT 0.5-13X1.25X1.25-C	HEX FINISHED BOLT 1/2"-13 X 1.25" X 1.25"-C	SS304	4
25	REGULAR LW 0.5	1/2"- REGULAR SPRING LOCK WASHER	SS304	8
26	6" SUCTION COVER	6" SUCTION COVER	SGI 500/7	1
27	WEAR PLATE RT150	WEAR PLATE FOR RT150	SGI 500/7	1
28	OR-315X7	O-RING-Ø 315*7MM	NBR	2
29	HANDLE	HANDLE	SGI 500/7	2
30	HNUT 0.3750-16-D-C	HEX NUT 3/8"-16(TPI)	SS304	4
31	HFBOLT 0.375-16X1X1-C	HEX FINISHED BOLT 3/8"-16 X 1" X 1"-C	SS304	4
32	6" DELIVERY FLANGE GASKET	6" DELIVERY FLANGE GASKET	NBR	1
33	6" DELIVERY ADAPTOR	6" DELIVERY ADAPTOR	SGI 500/7	1
34	6" SUCTION ADAPTOR	6" SUCTION ADAPTOR	SGI 500/7	1
35	NRV RUBBER RT150	NRV RUBBER FOR RT150	NBR	1
36	NRV ARM RT150	NRV ARM FOR RT150	SS304	1
37	NRV ARM SHIM RT150	NRV ARM SHIM FOR RT150	SS304	1
38	NRV BUSH SLEEVE RT150	NRV BUSH SLEEVE FOR RT150	SS304	2
39	REGULAR LW 0.3125	5/16"-REGULAR SPRING LOCK WASHER	SS304	2
40	HFBOLT 0.3125-18X1.25X1.25-C	HEX FINISHED BOLT 5/16"-18 X 1.25" X 1.25"-C	SS304	2
41	NRV BOLT	NRV BOLT FOR RT150	SS304	1
42	6" SUCTION FLANGE GASKET	6" SUCTION FLANGE GASKET	NBR	1
43	1" DRAIN PLUG	NPT 1" DRAIN PLUG	CAST STEEL	2
44	1/4" DRAIN PLUG	NPT 1/4" DRAIN PLUG	CAST STEEL	4
45	INSPECTION COVER GASKET	INSPECTION COVER GASKET	NBR	1
46	INSPECTION COVER	INSPECTION COVER	SGI 500/7	1
47	TOP CLAMP	TOP CLAMP	SGI 500/7	1
48	TOP CLAMP SCREW	TOP CLAMP SCREW	MILD STEEL	1
49	3 14 "-10 STUD	STUD (3/4"-10) X 4" LENGTH	SS304	2
50	SUCTION CLAMP SCREW	SUCTION CLAMP SCREW	SGI 500/7	2
51	PRESSURE RELIEF VALVE	1/2"-PRESSURE RELIEF VALVE (MALE-NPT)	SS316L	1
52	REMKO LOGO	REMKO LOGO	CASTED	1
53	SQBOLT 0.6250-11X3.5X1.75-C	SQUARE BOLT 5/8"-11 X 3.5" X 1.75"-C	SS304	2
54	5/8"- EYE BOLT	5/8"-EYE BOLT	GALVANIZED STEEL	1
55	HX-SHCS 0.5-20X0.875X0.875-C	HEX-SOCKET HEAD CAP SCREW 1/2"-20 X 0.875" X 0.875"-C	SS304	4
56	REGULAR LW 0.75	3/4"-REGULAR SPRING LOCK WASHER	SS304	16
57	HFBOLT 0.75-10X2.5X2.5-C	HEX FINISHED BOLT 3/4"-10 X 2.5" X 2.5"-C	SS304	2
58	HFBOLT 0.75-10X2X2-C	HEX FINISHED BOLT 3/4"-10 X 2" X 2"-C	SS304	14
59	HFBOLT 0.5-13X1.75X1.75-C	HEX FINISHED BOLT 1/2"-13 X 1.75" X 1.75"-C	SS304	4
60	3 14 " DRAIN PLUG	3/4"-BSPT-DRAIN PLUG	CAST STEEL	1
61	1 1/4"-DRAIN PLUG	1 1/4"-NPT-DRAIN PLUG	CAST STEEL	1

ACS TECHNOLOGIES LIMITED

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ENGINE DESCRIPTION

Performance Specifications of Diesel Engines			
Sr.No.	Parameters	FERT CODE: 9034967	
1	Engine Model		EE483TCI
2	Engine Type		Liquid Cooled
3	Aspiration		TC-IC
4	Emission Complaint (BSIII CEV)		No
5	Speed Type		Constant
6	No. of Cylinders		4
7	Capacity	Litres	3.3
8	Injection system		Direct
9	Type of governor		Mechanical
10	Cylinder arrangement		Inline
11	NA/TC/TC-IC		TCI
12	No. of Valves/Cyl		2
13	Compression Ratio		17:01
14	Cooling system		Liquid
15	Bore x Stroke	mm	100 x 105
16	Dry Weight	Kg	340
17	Noise Level (Without Canopy) at 1 mtr	dB (A)	94
18	Fuel Injection Pump :		
	Make		Bosch
	Type		Inline
19	Injectors Make		Bosch
	Governor		
20	Make		Bosch
	Type		Mechanical
21	SAE size flywheel housing / flywheel		3/10
22	Lub oil sump capacity	Litres	11
23	Recommended Lub oil		EICHER brand
24	Recommended Lub oil change period	Hours	250
25	Type of Lub oil Filter		Paper
26	Type of Air cleaner		Dry
27	Electrical System (12V / 24 V)	Volts	12V
28	No. of Oil filters per engine		2
29	No of fuel filters per engine		1
30	BSFC @ 100% load	(gms/hp-Hr)	158
31	BSFC @ 75% load	(gms/hp-Hr)	159
32	Lub Oil Consumption	% of FC	0.1
33	Governing Class		A1
	Power at different RPMs		
	1400RPM		33
	1500RPM		38
	1800RPM		42
	2100RPM		45
	2400 RPM		48