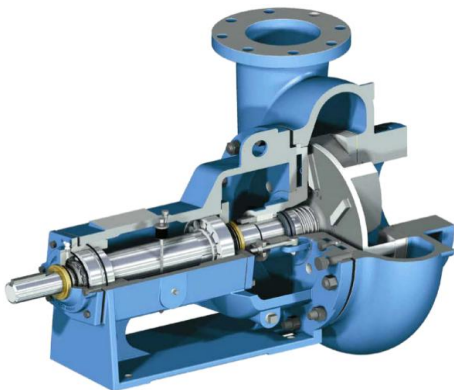




Tigerflo 250 SMP Series Centrifugal Pumps:

Typical Applications:

- Barite, ferric oxide, and mineral oil
- Water Transfer/Booster
- Food Processing
- Triplex Pump Charging
- Shearing Drill Cuttings
- Drilling Muds & Fluids
- Mining & De-watering
- Slurry
- Cement Batch Mixers
- Blending & Mixing

FEATURES & BENEFITS

- Tigerflo SMP Series Mud Pumps “High Flow, High Head” comes in 6 models (3” to 10”) covers flow range up to 851 m^3/hr and head up to 97 meters.
- Tigerflo SMP Series Pumps are fitted with single tungsten carbide mechanical seal system highly abrasive resistant.
- Handles various drilling thick abrasive muddy fluids in extreme climate conditions.
- External adjustment for impeller clearance to extend pump life and performance.
- Tigerflo 250 SMP Series Centrifugal Pumps proven design that contains wider open tipped vane impellers, increased re-circulation area, flow and a concentric casing allowing the pump to create a smoother flow pattern when handling abrasive mud and heavy fluids.
- Tigerflo 250 SMP Series Centrifugal Pump is available in hard iron, stainless steel and aluminum bronze fluid ends. The pumps can be driven with electric motors, diesel engines, and hydraulic motors (horizontal, vertical, or close-coupled configuration).
- Pump construction includes
 - a) Thick, strong concentric casing with replaceable wear pad
 - b) Heavy-duty shaft with shaft sleeve to prevent wear
 - c) Wide semi open impeller design reduces the concentration of solids, extended the life of mechanical seal, packing, stuffing box and bearing
 - d) High quality single row bearings for increased life (lubrication options grease or oil)
 - e) Mechanical Seal long-life
 - f) Replaceable Stuffing-Box cover (optional available for single or double mechanical seal applications)
 - g) Solid Base Bearing Shaft Housing for strength and rigidity

STANDARDS

Design & Construction	Hydraulic Institute 6, ISO 9001, ISO 14001, OHSAS 18001 & CE certified.
Material Standard	AS 2027 Grade Cr27, ISO 21988 Grade Cr27, ASTM A532 Grade III Type A
Castings Dimensional Standard	ISO8062
Noise Standard	ISO3746
Vibration Standard	ISO2372
Hydrostatic Test Standard	ANSI/HI 1.6-2000
Performance Test Standard	ISO9906, ISO2548, ISO3555

STANDARD CONFIGURATION OF PUMP

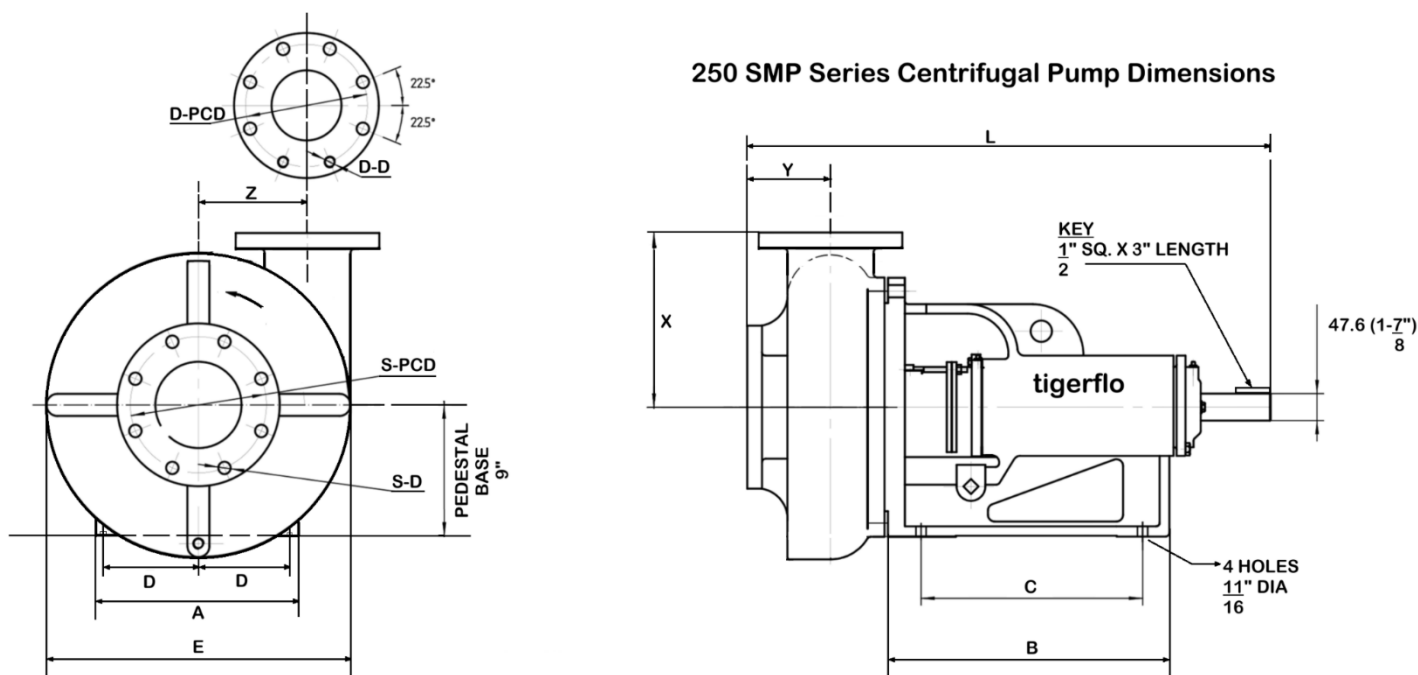
Casing	Ductile Hard Iron
Impeller	Ductile Hard Iron
Impeller Type	Open (3x2x13 & 4x3x13) Semi-Open (5x4x14, 6x5x11, 6x5x14, 8x6x11, 8x6x14 and 10x8x14)
Shaft	Gr. AISI4140
Shaft Sleeve	Gr. SS416
Mechanical Seal	Tungsten Carbide
Bearing	Single Row Ball Bearing

OPTIONS

Casing	Hard iron, Stainless steel and Aluminum bronze
Impeller	Open type or Semi-open type
Impeller Material	QT600-3, Cast-iron, Hard-iron, Bronze, High chrome & Stainless steel
Shaft	Gr. AISI4140
Shaft Sleeve	Gr. SS416, SS316 & Ceramic
Mechanical Seal	Tungsten Carbide
Packing	Graphite, Acrylic, Asbestos, PTFE, Glass fiber, Carbon fiber & Latty 4777

250 SMP SERIES CENTRIFUGAL PUMP

250 SMP Series Centrifugal Pump Dimensions



PUMP SIZE (INCH)	SUCTION (INCH)	DISCHARGE (INCH)	IMPELLER DIA (MIN)	IMPELLER DIA (MAX)	A	B	C	D	E	L	X	Y	Z
3X2X13	3	2	6	13	9	19-5/8	15-7/16	3-1/2	17-7/8	33	10-1/4	3-3/4	7
4X3X13	4	3	6	13	9	19-5/8	15-7/16	3-1/2	17-7/8	33-5/8	10-1/4	4-1/4	6-3/4
5X4X14	5	4	7	14	9	19-5/8	15-7/16	3-1/2	19	35	11	5	6-1/8
6X5X11	6	5	8	11	9	19-5/8	15-7/16	3-1/2	17-7/8	36	11	5-3/4	6
6X5X14	6	5	10	14	9	19-5/8	15-7/16	3-1/2	21	36	11	5-3/4	6
8X6X11	8	6	8	11	9	19-5/8	15-7/16	3-1/2	20	37-1/2	14	6-1/4	8-3/8
8X6X14	8	6	10	14	9	19-5/8	15-7/16	3-1/2	23-9/16	37-1/2	14	6-1/4	8-3/8
10X8X14	10	8	10	14	9	19-5/8	15-7/16	3-1/2	22-3/8	37-15/16	14-3/16	6-11/16	8

PUMP SIZE (INCH)	WEIGHT (KG)	SUCTION FLANGE	DISCHARGE FLANGE	MAX. FLOW (GPM @60%μ)	MAX. HEAD (FT @60%μ)	MAX. SOLIDS	SPEED. RPM	POWER. HP
3X2X13	195	4 BOLTS, 3/4" DIA, S-PCD 6	4 BOLTS, 3/4" DIA, D-PCD 4-3/4	320	165	1/2"	1750	30
4X3X13	200	4 BOLTS, 3/4" DIA, S-PCD 7-1/2	4 BOLTS, 3/4" DIA, D-PCD 6	480	180	3/4"	1750	60
5X4X14	225	8 BOLTS, 7/8" DIA, S-PCD 8-1/2	8 BOLTS, 3/4" DIA, S-PCD 7-1/2	640	240	13/32"	1750	60
6X5X11	240	8 BOLTS, 7/8" DIA, S-PCD 9-1/2	8 BOLTS, 7/8" DIA, S-PCD 8-1/2	550	125	15/16"	1750	50
6X5X14	250	8 BOLTS, 7/8" DIA, S-PCD 9-1/2	8 BOLTS, 7/8" DIA, S-PCD 8-1/2	880	200	15/16"	1750	75
8X6X11	270	8 BOLTS, 7/8" DIA, S-PCD 11-3/4	8 BOLTS, 7/8" DIA, S-PCD 9-1/2	700	118	15/16"	1750	60
8X6X14	285	8 BOLTS, 7/8" DIA, S-PCD 11-3/4	8 BOLTS, 7/8" DIA, S-PCD 9-1.2	1400	195	1-3/8"	1750	150
10X8X14	370	12 BOLTS, 1" DIA, S-PCD 14-1/4	8 BOLTS, 7/8" DIA, S-PCD 11-3/4	2600	150	2"	1750	200

Note: Above pump data sheet is for only general information and not for design purpose. Application of pump and its material are user risk and responsibility. Tiger is no way responsible for any liability or loss, damage or injury from the usage of above information.

- ALL PRODUCT, PRODUCT SPECIFICATIONS, DIMENSIONS, IMAGE AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.
- BEFORE INSTALLING AND USING PUMP, IT IS CRUCIAL TO VERIFY THE MATERIAL COMPATIBILITY WITH THE SPECIFIC FLUID IT WILL BE HANDLING.
- THIS IS DONE BY CONSULTING THE FLUID'S MATERIAL SAFETY DATA SHEET (MSDS) AND COMPARING IT WITH THE PUMP MATERIAL SPECIFICATIONS. FAILING TO ENSURE COMPATIBILITY CAN LEAD TO PUMP FAILURE, LEAKAGE, AND POTENTIAL SAFETY HAZARDS.