

SKR



Stancor SKR Series Heavy Duty Slurry Pumps



Stancor SKR Heavy Duty Slurry Pumps are designed for pumping sludge, slurry and heavily contaminated liquids. Special hardened alloy wet-end materials, high efficiency 1800 RPM motors and double mechanical seals assure maximum performance and pump life.

Typical applications include:

- Coal and slurry transfer
- Mill scale and ash transfer
- Sand and gravel dewatering
- Barge clean-out and dewatering
- Tank sludge clean-out
- Pond reclamation

Quality You Can Believe In

Features and Benefits



All SKR pumps are constructed with heavy duty, abrasive resistant, high-chromium alloy steel wet end components (HRC 58-60 hardness):

1. **AGITATOR** – A hardened auger mixes solids with liquid to create a suspended slurry for effective pumping.
2. **WEAR PLATE** – The hardened wear plate repels much of the abrasion from the pumped media. Easily adjusted, the replaceable wear plate assures maximum pumping performance.
3. **SEMI-VORTEX IMPELLER** – Designed to handle abrasive solids and slurry with minimum wear.
4. **NI-HARD CAST IRON VOLUTE** – Made from an abrasive resistant special alloy that protects against premature wear for maximum performance and extended pump life.

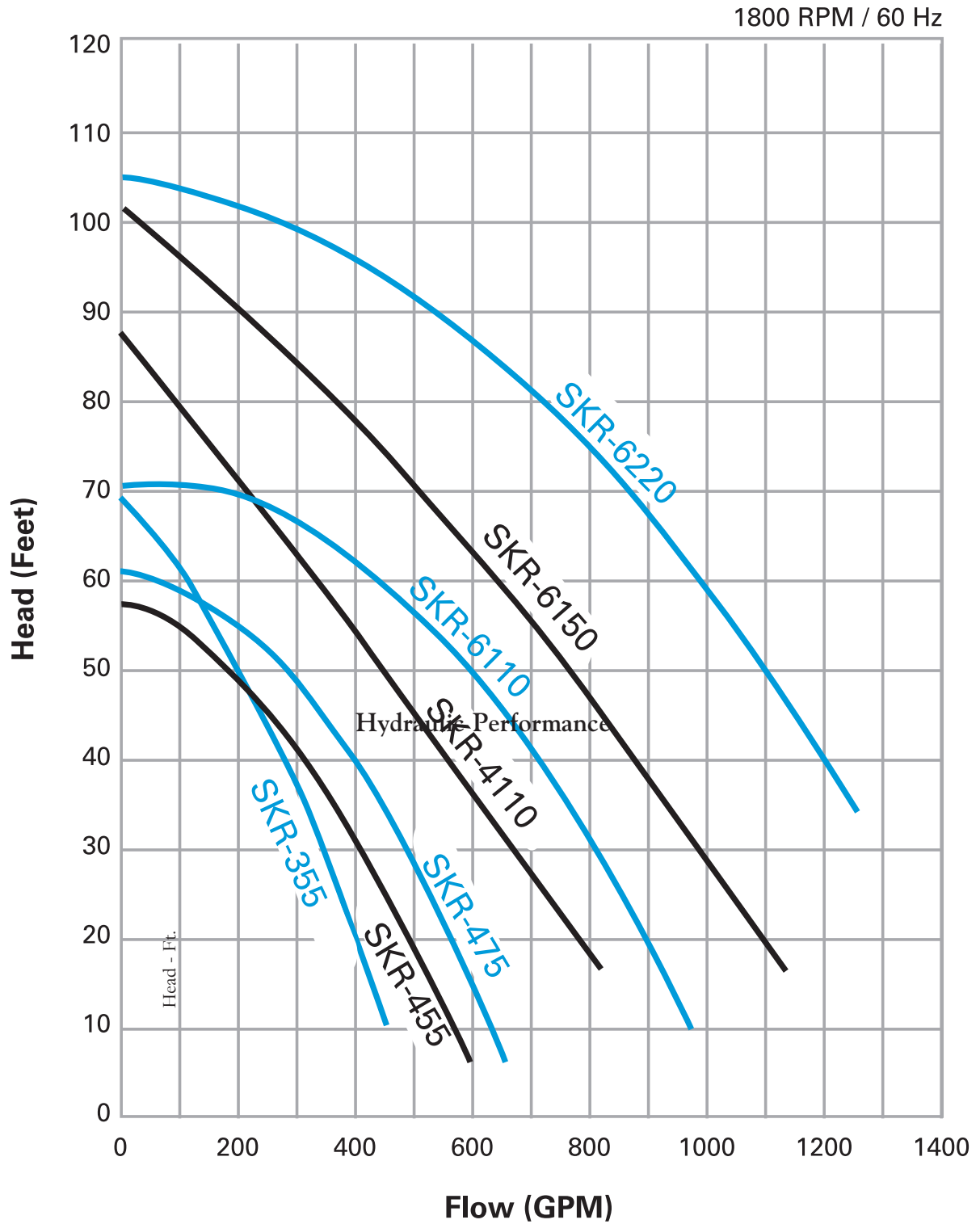
SKR pumps incorporate proven engineering design to assure long, reliable pump life:

1. **CLASS H MOTOR INSULATION** – Thermal and overload protection with 1.15 service factor and a 4-pole motor for increased life.
2. **DOUBLE MECHANICAL SEALS** – With silicon carbide faces running in a separate oil-filled seal housing.
3. **410 STAINLESS STEEL ROTOR AND SHAFT SLEEVE**- Protects against shaft wear from abrasive media.
4. **COOLING JACKET** – SKR pumps discharge through the top as cool liquid passes by the motor housing. This prevents the motor from overheating and allows liquid to be pumped down close to the bottom of the sump.
5. **HEAVY DUTY, 5-CONDUCTOR CABLE (50' STANDARD)** – MSHA approved, GGC cable (10/5 or 6/3) withstands the toughest conditions. Epoxy potted cable entry prevents wicking while a heavy chain and strain relief clamp offer additional cable protection.

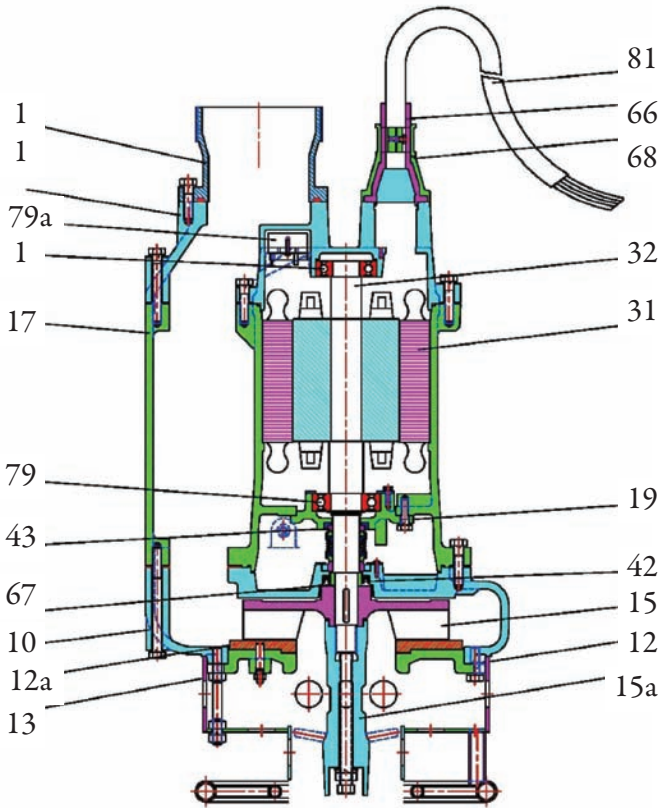


SKR Series

Performance Curves



Technical Specifications



Item #	Part Description	Material Construction
1	Discharge Head	PC-20
4	Upper Cover	PC-20
10	Pump Casing	FCD Alloy
12	Inlet Plate	PC-20
12a	Wear Plate	High Chrome Steel
13	Strainer	SC
15	Impeller	High Chrome Steel
15a	Agitator	High Chrome Steel
17	Motor Frame	PC-20
19	Bearing Bracket	PC-20
31	Stator	CL-H
32	Rotor / Shaft	SUS-410
42	Oil Seal	SUS-304
43	Mechanical Seal	SC-SC/CE-TC
66	Cable Gland	NBR
67	Shaft Sleeve	SUS-304
67	Gland Holder	PC-20
71	Thermal Protector	Switch
79a/b	Bearings	Shielded
81	Cable	GGC-5C

General & Electrical Specifications

MODEL	HP	Voltage (see note)	Amps (FLA)	Discharge (NPT)	Max Solids (in)	Max Flow (GPM)	Max Head (ft)	Wt. (lbs)	Max Ht/Wt (in)
SKR-355-460	7.5	460	10.8	3"	1"	450	67	292	30.5/16.2
SKR-355-230	7.5	230	21.5	3"	1"	450	67	292	30.5/16.2
SKR-455-460	7.5	460	10.8	4"	1"	595	56	292	30.5/16.2
SKR-455-230	7.5	230	21.5	4"	1"	595	56	292	30.5/16.2
SKR-475-460	10	460	14.3	4"	1"	655	59	310	30.5/16.2
SKR-475-230	10	230	28.7	4"	1"	655	59	310	30.5/16.2
SKR-4110-460	15	460	21.5	4"	1"	820	88	452	35.5/18.6
SKR-4110-230	15	230	43.0	4"	1"	820	88	452	35.5/18.6
SKR-6110-460	15	460	21.5	6"	1 3/8"	980	72	452	35.5/18.6
SKR-6110-230	15	460	43.0	6"	1 3/8"	980	72	452	35.5/18.6
SKR-6150-460	20	460	28.7	6"	1 1/2"	1140	100	472	35.5/18.6
SKR-6150-230	20	230	57.4	6"	1 1/2"	1140	100	472	35.5/18.6
SKR-6220-460	30	460	42.9	6"	1 1/2"	1270	105	540	39.5/18.6
SKR-6220-230	30	230	86.0	6"	1 1/2"	1270	105	540	39.5/18.6

Note: Special voltages available - consult factory



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