

# ГОРИЗОНТАЛЬНЫЕ ШЛАМОВЫЕ НАСОСЫ СЕРИИ НН



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# ГОРИЗОНТАЛЬНЫЕ ШЛАМОВЫЕ НАСОСЫ СЕРИИ НН



Type HH slurry pumps are cantilevered, horizontal and centrifugal slurry pumps. The wet end part can use wear resistance metal, rubber and ceramic. It can be used for metallurgy, mining, coal, electric power and building material to transmit slurry with strong corrosion and high concentration.

## Features:

1. All the spares can be changeable with original Warman pumps. the wetted parts' material can be optional as metal, rubber, or ceramic according to customer's requirement
2. Bearing assembly – a large diameter shaft with short overhang minimizes deflection and contributes to long bearing life. Only four through bolts are required to hold the cartridge type housing in the

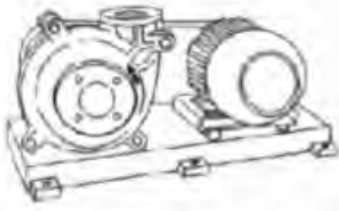
frame.

3. Volute Liners – easily replaceable liners are bolted, not glued, to the casing for positive attachment and ease of maintenance. Hard metal liners are completely interchangeable with pressure moulded elastomer.
4. Elastomer seal rings back all liner joints.
5. Pump casing – Casing halves of cast or ductile iron with external reinforcing ribs provide high operating pressure capabilities and an extra measure of safety.
6. Impeller – front and rear shrouds have pump out vanes that reduce recirculation and seal contamination. Hard metal and moulded elastomer impellers are completely interchangeable.
7. CNC machining impeller threads require no inserts or nuts. High efficiency and high head designs are also available
8. Throat bush – wear is reduced and maintenance simplified by the use of tapered mating faces to allow positive accurate alignment during assembly and simple removal.
9. One-piece frame – a very robust one-piece frame cradles the cartridge type bearing and shaft assembly.
10. An external impeller adjustment mechanism is provided below the bearing housing for easy adjustment of impeller clearance.
11. Pump exit position- Based on 45 degree interval, rotating eight different angles of installation.

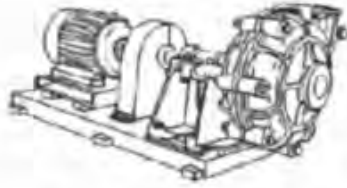
## HH Series Slurry Pump Bracket Type Description

Bracket Type	A	B	C	D	E	R	F	G	S	T
Allowable Max Power(kw)	7.5	15	30	60	120	300	260	600	560	1200
Bracket Weight(kw)	17	24	45	77.5	154	228	555	1006	546	1156
Shaft Water Volume	0.15	0.25	0.35	0.55	0.70	0.70	0.70	1.20	1.20	1.60

## HH Slurry Pump Transmission Type



CRCL DRIVING TYPE



DCZ DRIVING TYPE

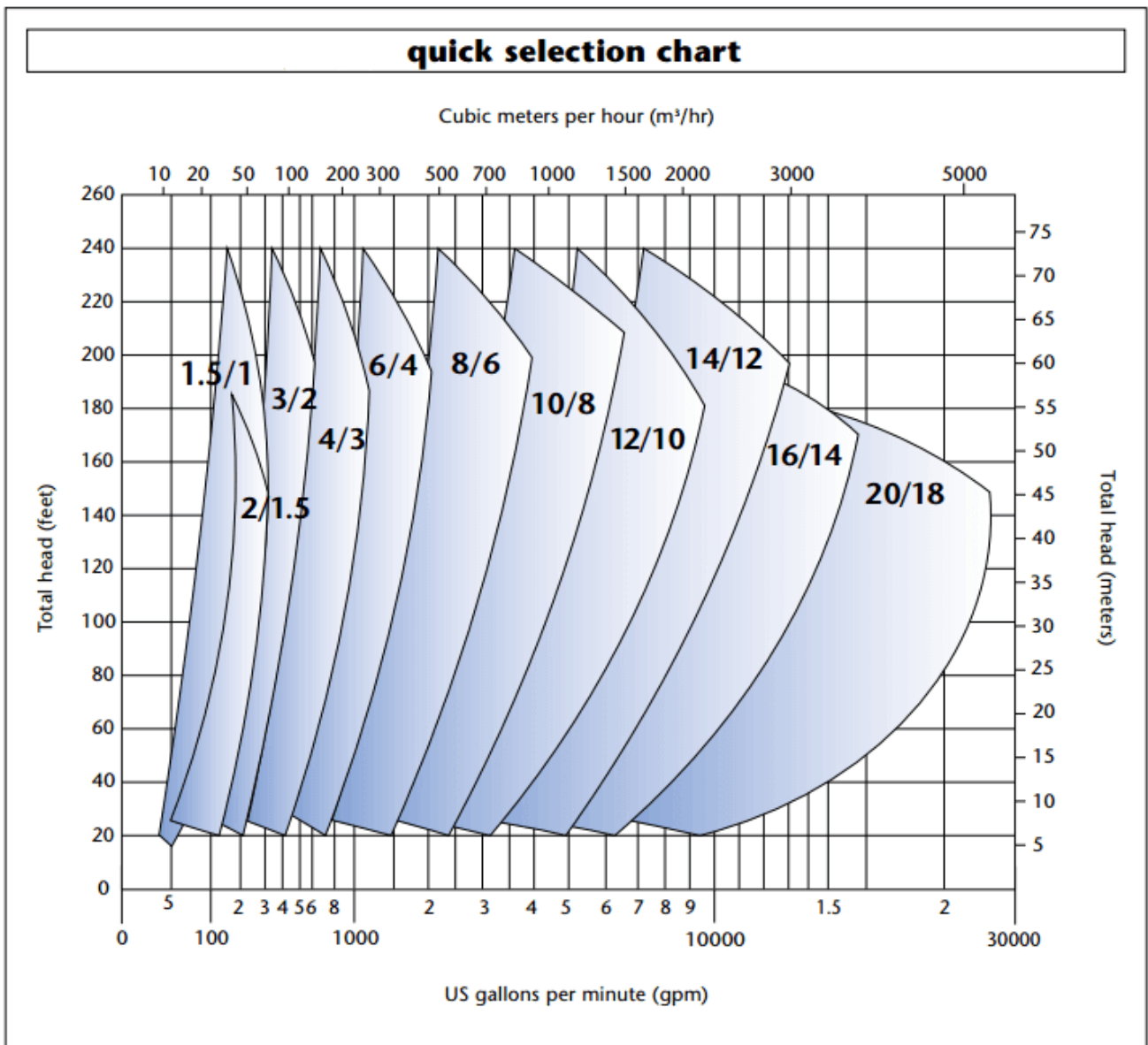


CV DRIVING TYPE



ZVZ DRIVING TYPE

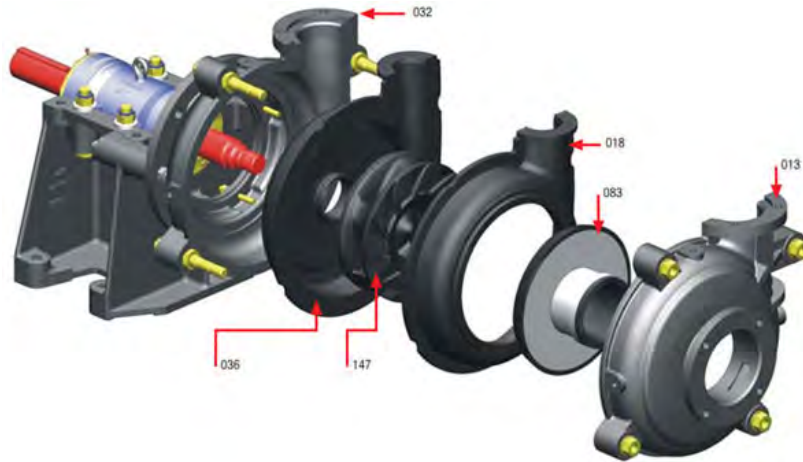
## Selection & Performance Chart



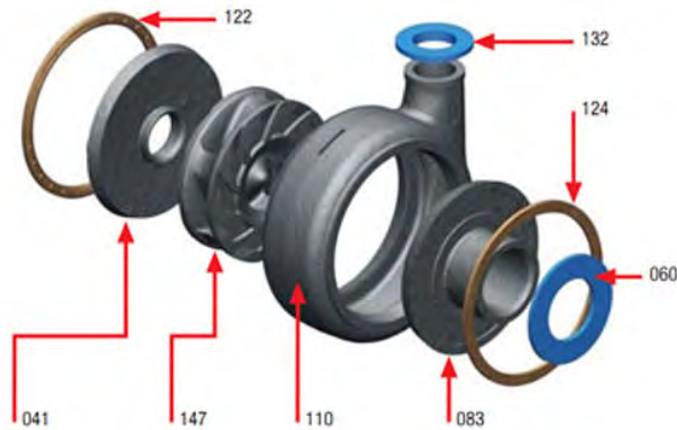
## HH Slurry Pump Performance Chart

Model	Max. Power (kw)	Clear Water Performance					Impeller	
		Capacity Q (m3/h)	Head H (m)	Speed n (rpm)	Eff. $\eta$ (%)	NPSH (m)	Vane No.	Impeller Dia.
1.5/1C-HH	30	16.2-34.2	25-92	1400-2200	20	2-5.5	5	330
3/2D-HH	60	68.4-136.8	25-87	850-1400	47	3-7.5	5	457
4/3E-HH	120	126-252	12-97	600-1400	50	2-5	5	508
6/4F-HH	560	324-720	30-118	600-1000	64	3-8	5	711
8/6S-HH	560	468-1008	20-94	500-1000	65	4-12	5	711

### Electric Slurry Pump Rubber Parts



### Metal Parts



### Main Part Number At The Drawing

032 : Frame Plate

060: Intake Joint

132 : Discharge Joint

083 : Throatbush

110 : Volute Liner

147: Impeller

122: Stuffing Box Seal

036: Frame Plate Liner

013 : Cover Plate

018 : Cover Plate Liner

124: Volute Cover Seal

041: Frame Plate Liner Insert



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