

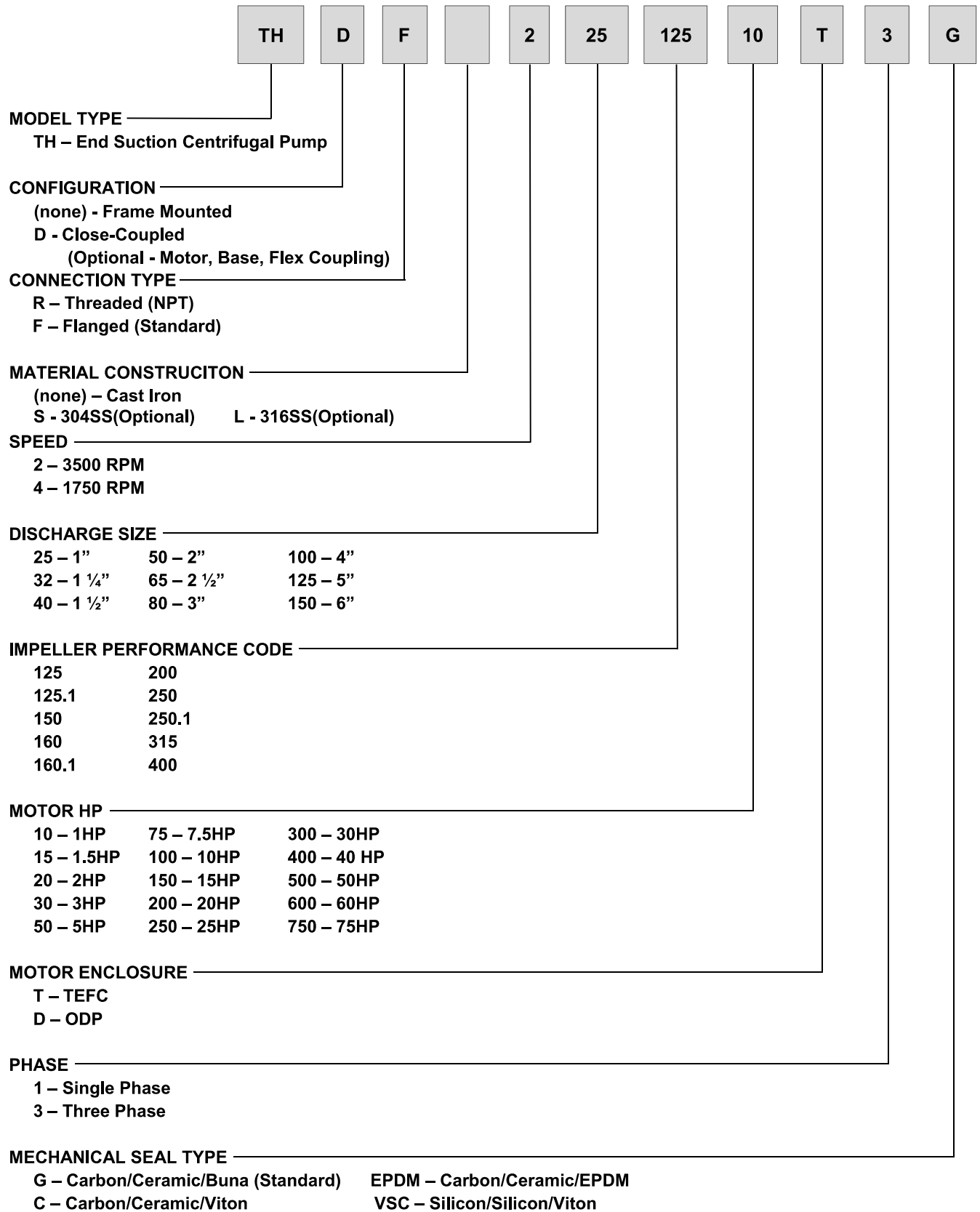
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60 Hz – 3500 rpm and 1750 rpm

SIZE	SPEED	
	3500 rpm	1750 rpm
TH 25-150	Page 52	Page 08
TH 25-200	Page 53	Page 09
TH 32-125.1	Page 54	Page 10
TH 32-125	Page 55	Page 11
TH 32-160.1	Page 56	Page 12
TH 32-160	Page 57	Page 13
TH 32-200	Page 58	Page 14
TH 32-250.1	Page 59	Page 15
TH 32-250	Page 60	Page 16
TH 40-125	Page 61	Page 17
TH 40-160	Page 62	Page 18
TH 40-200	Page 63	Page 19
TH 40-250	Page 64	Page 20
TH 40-315	Page 65	Page 21
TH 50-125	Page 66	Page 22
TH 50-160	Page 67	Page 23
TH 50-200	Page 68	Page 24
TH 50-250	Page 69	Page 25
TH 50-315	Page 70	Page 26
TH 65-125	Page 71	Page 27
TH 65-160	Page 72	Page 28
TH 65-200	Page 73	Page 29

SIZE	SPEED	
	3500 rpm	1750 rpm
TH 65-250	Page 74	Page 30
TH 65-315	-	Page 31
TH 80-160	Page 75	Page 32
TH 80-200	Page 76	Page 33
TH 80-250	Page 77	Page 34
TH 80-315	-	Page 35
TH 80-400	-	Page 36
TH 100-160	Page 78	Page 37
TH 100-200	Page 79	Page 38
TH 100-250	-	Page 39
TH 100-315	-	Page 40
TH 100-400	-	Page 41
TH 125-200	-	Page 42
TH 125-250	-	Page 43
TH 125-315	-	Page 44
TH 125-400	-	Page 45
TH 150-200	-	Page 46
TH 150-250	-	Page 47
TH 150-315	-	Page 48
TH 150-400	-	Page 49
TH 150-500	-	Page 50





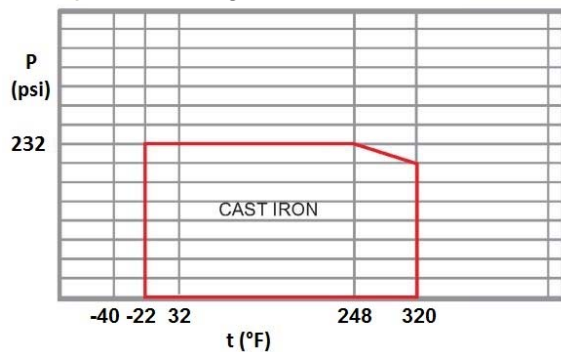
Technical Data

NPSH

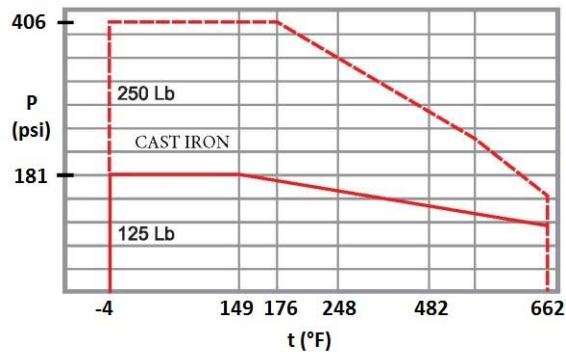
Values shown in curves are minimum values and represent the limit for beginning of cavitation, considering degassed water as pumped liquid.

- Performance characteristics according ISO 9906 Annex A.
- Head and flow values are valid for fluids with specific gravity 1.0 and maximum cinematic viscosity $\nu = 20 \text{ cP}$.
- If specific gravity is different than 1.0 then power correction must be calculated.

Pump and Flange Pressure Limitations



Discharge pressure and temperature limits of pump



Pressure and temperature limits of ANSI B16.1 flanges

Peripheral Velocity

When determining operating speed of the pump and checking maximum discharge pressure, maximum peripheral speed of impeller must be observed, according to the construction material of impeller. Material and speeds below.

- Cast Iron (A48 CL250 (GG25)) – 131 ft/s
- For pump selection, use characteristics curves that refer for water at ambient temperature and specific gravity 1.0.

Special Notes

1. EBARA reserves the right to modify information of this catalog without prior notice;
2. Hydraulic data included in this catalog allow tolerance according NBR-6400 and/or ISO 9906 annex A;
3. Pumps are suitable for handling non-aggressive liquids;
4. Other technical information, please consult Factory;
5. All pumps come with Installation, Operation, Maintenance Manual and Warranty Certificate of 12 months, according conditions contained in the Warranty Statement.



TH Frame Mounted

1. DESIGN

Horizontal, single stage, end suction with top centerline discharge. The “back-pull-out” design allows maintenance and repair services through the backside without dismantling piping supports or disturbing alignment. Hydraulic built according ISO 9906 annex A.

2. OPERATING DATA

- Size
- Flow gpm
- Head ft
- Temperature °F
- Speed rpm

3. TECHNICAL SPECIFICATION

- Pump casing – Volute casing with horizontal installation and with integrally cast pump feet. It is provided with replaceable wear ring.
- Impeller – Single suction, closed radial impeller. It is provided with replaceable wear ring.
- Shaft – Fitted with a replaceable shaft sleeve in the shaft seal area. Shaft seal is performed by mechanical seal.

4. Optional (Consult Factory)

- Drive Motor
 - Frame Size
 - Shaft Size in
 - Enclosure TEFC
 - Voltage 208-230/460 // 60hz
 - Phase 3
- Coupling
- Coupling Guard
- Baseplate



THD Close-Coupled

1. DESIGN

Horizontal, single stage, end suction with top centerline discharge, close-coupled to electric motor.

2. OPERATING DATA

- Sizes
- Flow gpm
- Head ft
- Temperature °F
- Suction pressure psi
- Discharge pressure psi
- Speed rpm
- Motor Frame Size JP
- Enclosure
- Voltage/Hz Hz
- Phase

3. TECHNICAL SPECIFICATION

3.1 Pump Casing

- Pump casing - Single volute, top centerline discharge (standard assembly), but it is possible to assemble in other positions. Suction and discharge nozzles can be threaded NPT or flanged (ANSI B16.1 125#FF).
- Pump casing is secured to casing cover with metal-to-metal fit that ensures perfect alignment.
- Pump casing is radially split with “back-pull-out” design that allows maintenance and repair services through the backside without dismantling suction and discharge piping.
- Standard material: Cast Iron.

3.2 Impeller

- Single suction, closed radial impeller, single-piece casting, keyed and secured to motor shaft by screw.
- Standard material: Cast Iron.

3.3 Adapter / Casing Cover

- It assures the alignment of the pump casing to motor flange.
- Standard material: Cast Iron.



3.4 Rotation Direction

- Clockwise, seen from motor end.

3.5 Mechanical Seal

- Standard for water up to 158°F as well as for most hydrocarbons.
- Standard material: Carbon / Ceramic / Buna.
- For other liquids and temperatures, consult Factory.

3.6 Shaft Protecting Sleeve

- Extended, covering the shaft sealing area, it prevents the contact of the pumped liquid with the shaft.
- Standard Material: Stainless Steel AISI 304.

