xylem

# e-XC8x10x16/350H6D4WNTGA1CC1G

## Technical data

| | |
|---|---|
| Company Name | |
| Contact | |
| Phone number | |
| E-Mail address | |

## Operating data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Pumpe type | Single head pump | | Fluid | | | Water |
| 2 | No. of pumps | 1 | | Operating temperature t A | | °F | 39.2 |
| 3 | Nominal flow | US g.p.m. | 0 | pH-value at t A | | | 7 |
| 4 | Nominal head | ft | 0 | Density at t A | | lb/ft³ | 62.4 |
| 5 | Static head | ft | 0 | Kin. viscosity at t A | | ft²/s | 1.689E-5 |
| 6 | Inlet pressure | psi | 0 | Vapor pressure at t A | | psi | 14.5 |
| 7 | Environmental temperature | °F | 68 | Content of solid% | Solid size | inch | 0 13/16 |
| 8 | Available system NPSH | ft | 0 | Altitude | | ft | 0 |

## Pump data

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | Design | Double Suction Split Case Pumps | | | | | |
| 10 | Execution | Clockwise Rotation - viewed from motor end [STD] | | Impeller Ø | Max. | inch | 16.142 |
| 11 | Operating speed | rpm | 1780 | | designed | inch | 16.142 |
| 12 | No. of stages | | 1 | | Min. | inch | 10.630 |
| 13 | Suction flange | | NPS 10 / CL125 / ASME B16.1 (e-XC) | Flow | Nominal | US g.p.m. | |
| 14 | Discharge flange | | NPS 8 / CL125 / ASME B16.1 (e-XC) | | Max- | US g.p.m. | 5121 |
| 15 | Max. casing pressure | psi | 175 | | Min- | US g.p.m. | 885 |
| 16 | Max. working pressure | psi | 125.9 | Head | Nominal | ft | |
| 17 | Impeller type | | Radial impeller | | at Qmax | ft | 175.3 |
| 18 | Head H(Q=0) | ft | 290 | | at Qmin | ft | 286.6 |
| 19 | Max. shaft power | hp | 288.9 | Shaft power | | hp | |
| 20 | Pump weight | lb | 1,632.0 | Efficiency | | % | |
| 21 | Total weight | lb | 4,463.0 | NPSH 3% | | ft | |

## Materials

| | Pump | | Shaft Seal | |
|---|---|---|---|---|
| 22 | | | | |
| 23 | Casings | Cast Iron [STD] | Xylem | Rubber below seal [STD] |
| 24 | Impeller | Stainless steel CF8 (304) [STD] | MR4 - Seal on sleeve (ID 55/3,125 in) | |
| 25 | Shaft Construction | Dry (sleeves) [STD] | Mechanical seal diameter inch | 3.125 |
| 26 | Shaft | 40cR (5140-carbon steel) | Seal faces | Carbon [STD] |
| 27 | Shaft Sleeves | Stainless steel CF8 (304) [STD] | Stationary ring | Silicon Carbide |
| 28 | Shaft Sleeve Nuts | Stainless steel CF8 (304) [STD] | Elastomers | EPDM [STD] |
| 29 | Casing Wear Ring | Bronze [STD] | Springs | Stainless steel CF8M (316) |
| 30 | Impeller Wear Ring | Stainless steel CF8 (304) [STD] | Other metal parts | Stainless steel CF8M (316) |
| 31 | Lantern Ring | Polytetrafluoroethylene (PTFE) | | |
| 32 | Seal flush lines | Stainless steel CF8 (304) [STD] | | |
| 33 | | | | |
| 34 | | | | |
| 35 | | | | |
| 36 | | | | |
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| 40 | | | | |
| 41 | | | | |

## Motor data

| | | | | | |
|---|---|---|---|---|---|
| 42 | Manufacturer | Baldor | | | |
| 43 | Specific design | NEMA 3 ph TEPE | | | |
| 44 | Type | Frame 449T - 350 hp | | | |
| 45 | Rated power | 350 hp | Item no. | SM1271 | |
| 46 | Nominal speed | 1780 rpm | Service factor | 1.15 | |
| 47 | Frame size | 449T | Electric voltage | 460 V | |
| 48 | Weight lb | 2,300.0 | Shaft diameter | 3 3/8 inch | |

## Coupling

| | | | |
|---|---|---|---|
| Manufacturer | TB Woods Dura-Flex - NON Spacer [STD] | | |
| Type | WE60 | | |
| Frame size | WE60 | | |
| Spacer length inch | 1/2 | | |
| Weight lb | 82.6 | | |
| Coupling guard | Coupling Guard KIT-3 | 41.10 lb | |
| Coupling Guard Material | Painted carbon steel | | |

## Base plate

| | | | |
|---|---|---|---|
| 49 | Name | 8x10x16 / 449T | |
| 50 | Weight lb | 407.2 | |

## Remarks

| Project | Project ID | Created by | Created on | Last update |
|---|---|---|---|---|
| | | kelly kresa | 02-03-22 | 02-03-22 |

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## Performance Curve

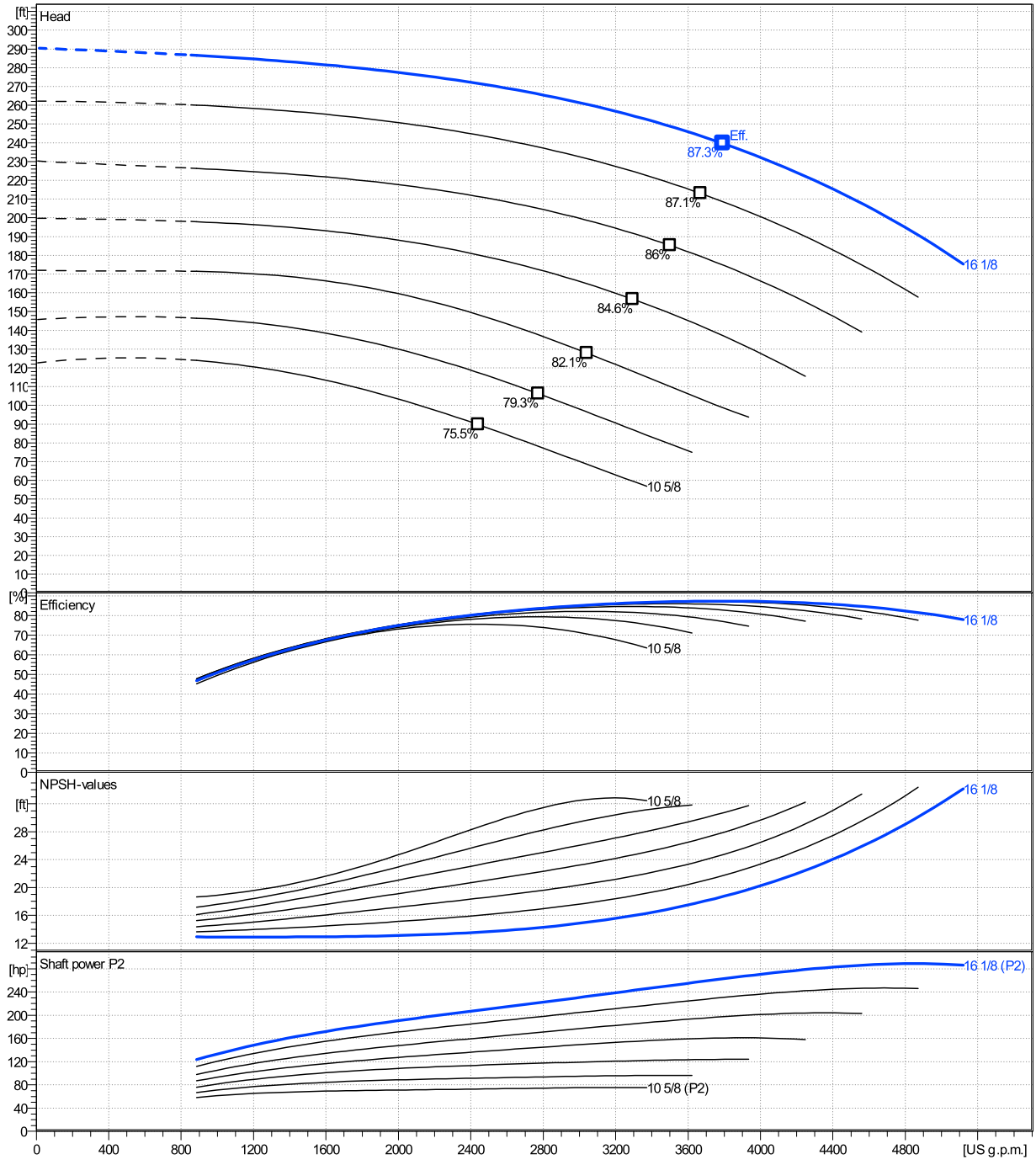
| | |
|---|---|
| Company Name | |
| Contact | |
| Phone number | |
| E-Mail address | |

| | Ø | Delivered Flow Application Range Min. | Max. | η Max. | Lift Capability H(Q=0) | η Max. | Shaft Power P2 P2(Q=0) | Max. | η Max. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inch | US g.p.m. | US g.p.m. | US g.p.m. | ft | ft | hp | hp | hp | | | |
| Is | 16.142 | 885 | 5120 | 3790 | 290 | 240 | | 289 | 263 | Frequency | Hz | 60 |
| Min. | 10.630 | / | / | 2440 | 123 | 89.7 | | / | 72.9 | Operating speed | rpm | 1780 |
| Max. | 16.142 | / | / | 3790 | 290 | 240 | | / | 263 | Nominal flow | US g.p.m. | 0 |
| | | | | | | | | | | Nominal head | ft | 0 |
| | | | | | | | | | | Inlet pressure | psi | 0 |
| | | | | | | | | | | Static head | ft | 0 |

**Power data referred to:**

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

**Hydr. performance acceptance acc. to EN ISO 9906** Class 2B

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|---|---|---|---|---|
| | | kelly kresa | 02-03-22 | 02-03-22 |

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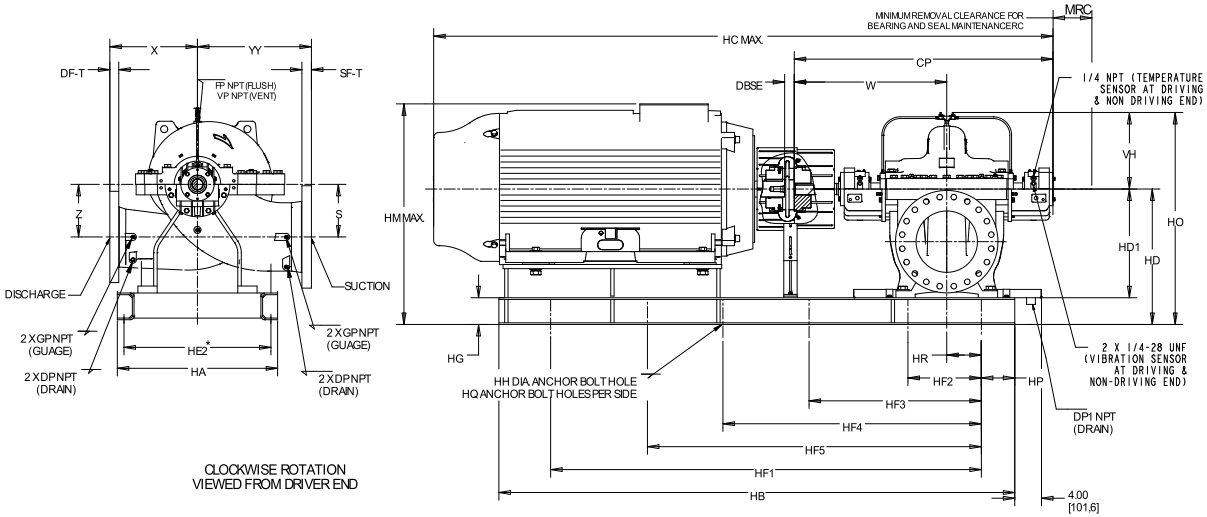
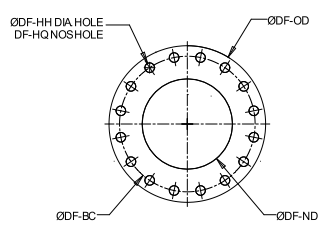
# e-XC8x10x16/350H6D4WNTGA1CC1G

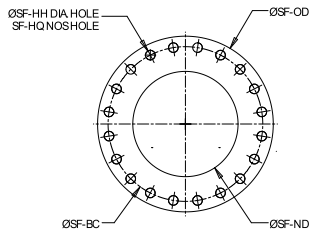
## Dimensions

Company Name
Contact
Phone number
E-Mail address

Complete Unit with Baseplate
Clockwise Rotation - viewed from motor end [STD]
NEMA 3 ph TEPE Frame 449T - 350 hp




| Dimensions | [ inch ] | | |
|---|---|---|---|
| CP | $52^{15}/_{16}$ | HO | $38^{7}/_{8}$ |
| DBSE | $^{1}/_{2}$ | HP | 4 |
| DF-BC | $11^{3}/_{4}$ | HQ | 8x |
| DF-HH | $^{7}/_{8}$ | HR | $9^{1}/_{8}$ |
| DF-HQ | 8x | MRC | $3^{1}/_{2}$ |
| DF-ND | 8 | S | $10^{5}/_{8}$ |
| DF-OD | $13^{1}/_{2}$ | SF-BC | $14^{1}/_{4}$ |
| DF-T | $1^{1}/_{8}$ | SF-HH | 1 |
| DP | 1/2 NPT | SF-HQ | 12x |
| FP | 1/2 NPT | SF-ND | 10 |
| GP | 1/2 NPT | SF-OD | 16 |
| HA | 26 | SF-T | $1^{3}/_{16}$ |
| HB | 93 | VH | $14^{7}/_{16}$ |
| HC Max | N.A. | VP | 1/2 NPT |
| HD | $24^{1}/_{2}$ | W | $28^{7}/_{8}$ |
| HD1 | $20^{1}/_{2}$ | X | $19^{11}/_{16}$ |
| HE2 | 24 | YY | $21^{5}/_{8}$ |
| HF1 | 85 | Z | $10^{5}/_{8}$ |
| HF2 | $28^{5}/_{16}$ | | |
| HF3 | $56^{11}/_{16}$ | | |
| HF4 | N.A. | | |
| HF5 | N.A. | | |
| HG | 4 | | |
| HH | 1 | | |
| HM Max | N.A. | | |

| Connections | |
|---|---|
| **Suction flange** | **Discharge flange** |
| NPS 10 | NPS 8 |
| CL125 | CL125 |
| ASME B16.1 (e-XC) | ASME B16.1 (e-XC) |

| Weight | (+/- 5%) |
|---|---|
| Pump | 1,632 lb |
| Coupling | 83 lb |
| Coupling Guard | 41 lb |
| Base plate | 407 lb |
| Motor | 2,300 lb |
| Total weight | 4,463 lb |

**Dimensions and weight without obligation**

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|---|---|---|---|---|
| | | kelly kresa | 02-03-22 | 02-03-22 |