

**TECHNICAL DATA**  
**MODEL KB55F**  
**HEAVY DUTY DEWATERING PUMP – CHROME IRON / DUCTILE IRON**  
**For High Temperature Service**  
**GENERAL DATA**

|                                      |  |
|--------------------------------------|--|
| MAX. FLOW: GPM (L/min)               | 501 GPM (1896 L/min)   |
| MAX. HEAD: ft (m)                    | 91' (28 m)   |
| MAX. SUBMERSION DEPTH: ft (m)        | 65' (20m) or limited to length of power cord,<br>Consult factory for deeper depths |
| PUMP TYPE                            | DEWATERING, HIGH TEMPERATURE   |
| SOLID SIZE: in (mm)                  | 0.39" (10 mm)  |
| DISCHARGE SIZE                       | 4" NPT-MALE  |
| PUMP WEIGHT, without cable: lbs (kg) | 253 lbs (115 kg)   |
| SHIPPING WEIGHT: lbs (kg)            | 335 lbs. (152 kg)  |

**CONSTRUCTION/MATERIAL DATA**

|                                    |   |
|------------------------------------|---|
| MECHANICAL SEAL - UPPER            | CARBON/CERAMIC - FKM  |
| MECHANICAL SEAL - LOWER            | SILICON CARBIDE/SILICON CARBIDE – FKM                           |
| MOTOR HOUSING                      | CAST IRON   |
| PUMP VOLUTE                        | DUCTILE IRON  |
| WEAR PLATE                         | HI-CHROME   |
| AGITATOR                           | HI-CHROME   |
| IMPELLER                           | MULTI VANE, HI-CHROME   |
| STRAINER/STAND                     | STEEL   |
| LIP SEALS & O-RINGS                | FKM   |
| ROTOR SHAFT                        | 304 SS  |
| EXTERNAL HARDWARE                  | 304 SS  |
| QTY. OIL IN MOTOR STATOR           | OIL-FILLED W/ ISO 32, NSF FOOD GRADE MINERAL OIL                |
| QTY. OIL IN SEAL CHAMBER           | 49 U.S. FL. OZ. (1450 C.C.), ISO 32, NSF FOOD GRADE MINERAL OIL |
| BALL BEARING: OIL LUBRICATED UPPER | 6306  |
| BALL BEARING: OIL LUBRICATED LOWER | 6308  |

**ELECTRICAL /MOTOR DATA**

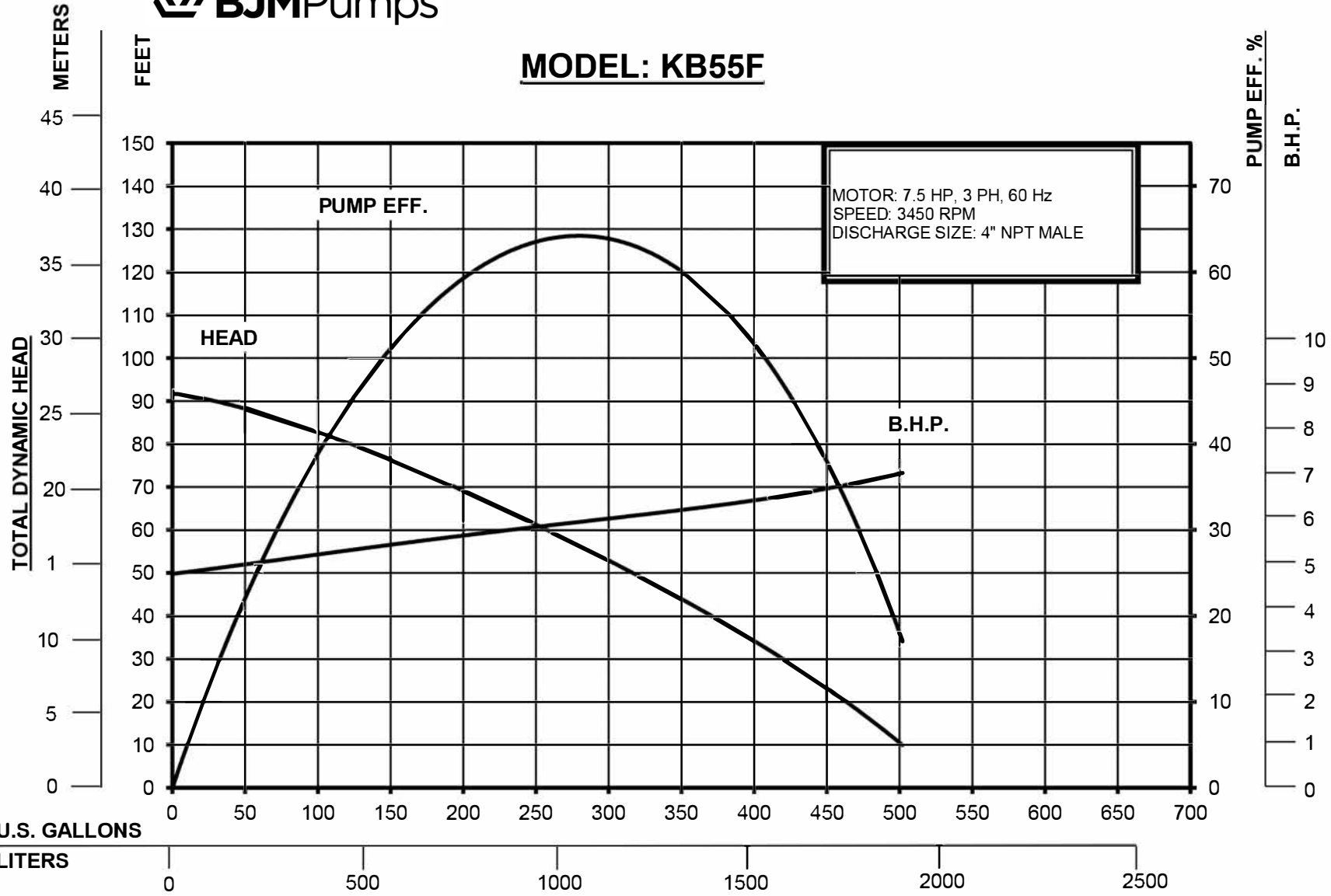
|                                 |   |      |             |
|---------------------------------|---|------|-------------|
| MOTOR: TYPE, RATING HP          | Submersible, Oil-Filled , Continuous Duty, 7.5                        |      |             |
| MOTOR RPM                       | 3450  |      |             |
| MOTOR INSULATION CLASS          | R, 428°F (220°C)  |      |             |
| MOTOR SERVICE FACTOR            | 1.1   |      |             |
| VOLTAGE - 3 PH, 60 Hz           | 230V  | 460V | 575V option |
| CURRENT F.L.A.                  | 20.4  | 9.9  | 7.6         |
| LOCKED ROTOR CURRENT (LRA)      | 126   | 63   | 50          |
| MOTOR PROTECTION                | THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C) |      |             |
| POWER CORD: GAGE; LENGTH        | A.W.G. 10/4; 50' (15.2m), HIGH TEMP. RATED CORD                       |      |             |
| SENSOR CABLE: GAGE; LENGTH      | A.W.G. 18/4; 50' (15.2m), HIGH TEMP. RATED CABLE                      |      |             |
| MAXIMUM LIQUID TEMPERATURE      | 200°F (93°C)  |      |             |
| SEAL LEAK DETECTOR <sup>1</sup> | Seal Minder®; MOISTURE SENSING PROBE                                  |      |             |

1- Requires a seal fail circuit in control panel for warning signal.

©2020 Industrial Flow Solutions Operating, LLC. All rights reserved.

104 John W Murphy Drive  
 New Haven, CT. 06513, USA  
 Tel: (860)399-5937 - Fax: (860)399-7784

### MODEL: KB55F



3/26/2020

FLOW RATE PER MINUTE

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE