

**MODEL KZN-HYD3R**  
**3" HYDRAULIC SUBMERSIBLE HI-HARD SLURRY PUMP with AGITATOR**

1. HI-HARD pump volute for severe duty slurry application
2. Built-in agitator to lift solids into suspension
3. Wear resistant chrome iron impeller, agitator and wear plate
4. Variable speed hydraulic motor drive
5. Top discharge allows pump to fit through a 17 inch opening
6. Wide range performance curve allows use of hydraulic flows up to 8.2 GPM to suit application
7. Safe hydraulic drive: use where electric power is hazardous, impractical or unavailable
8. Run dry with no damage
9. Oil lubricated double silicon carbide seals

**GENERAL DATA**

MAX. FLOW: GPM (L/min)	367 GPM (1391 L/min)
MAX. HEAD: ft (m)	53.5' (16.3 m)
DISCHARGE SIZE	3" NPT-MALE
PUMP DOWN WATER LEVEL: in (mm)	12" (305 mm)
SOLID SIZE	0.875" (22.2 mm)
STRAINER OPENING	1.375" (34.9 mm)
HEIGHT	30 1/4" (77 cm)
DIAMETER (@ widest point)	16 1/4" (41 cm)
WEIGHT	231 lbs. (105 kg)

**CONSTRUCTION/MATERIAL DATA**

DUAL MECHANICAL SEALS	SILICON CARBIDE/SILICON CARBIDE
MOTOR HOUSING	CAST IRON
PUMP VOLUTE	DUCTILE IRON WITH INTERIOR HARDNESS COATING TO 1180 DPH(Rc 71)
WEAR PLATE	HI-CHROME IRON
AGITATOR	HI-CHROME IRON
IMPELLER	MULTI VANE, HI-CHROME IRON
LIP SEALS & O-RINGS	BUNA-N
ROTOR SHAFT	304 SS
QTY. OIL IN SEAL CHAMBER	49 U.S. FL. OZ. (1450 C.C.)
BALL BEARING: PERM. LUBE. UPPER	6306
BALL BEARING: PERM. LUBE. LOWER	6308

**HYDRAULIC DATA**

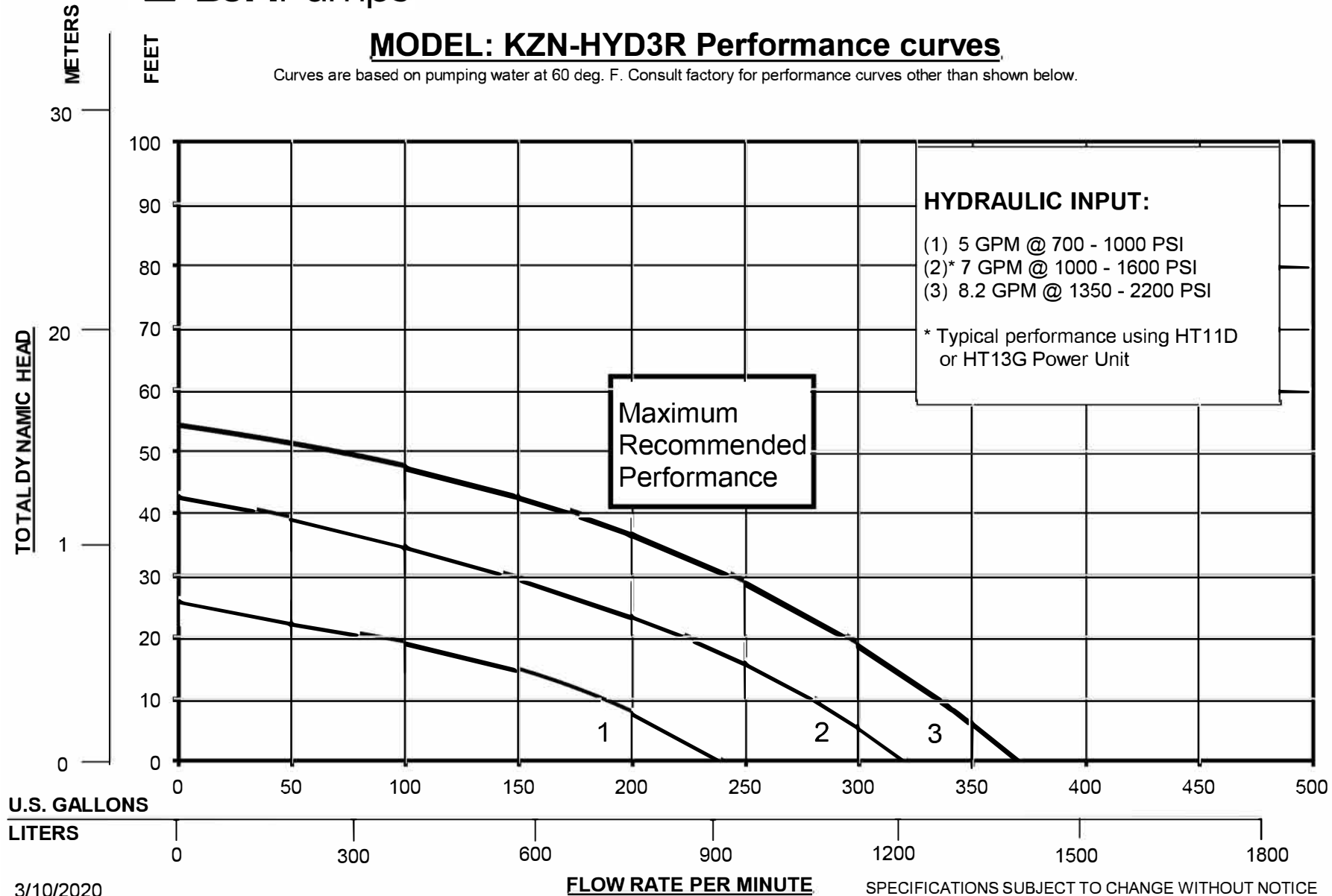
HOSE PORTS	1/2" and 3/4" NPT(F)
HYDRAULIC OIL	214-320 s.s.u. @ 100 °F (64 °C)
INPUT FLOW	Max. 8.2 GPM (31 LPM)
OPERATING PRESSURE	Max. 2200 PSI (149.6 Bar)
POWER SOURCE	Any Open Center Hydraulic System

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

## MODEL: KZN-HYD3R Performance curves

Curves are based on pumping water at 60 deg. F. Consult factory for performance curves other than shown below.



3/10/2020

**FLOW RATE PER MINUTE**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE