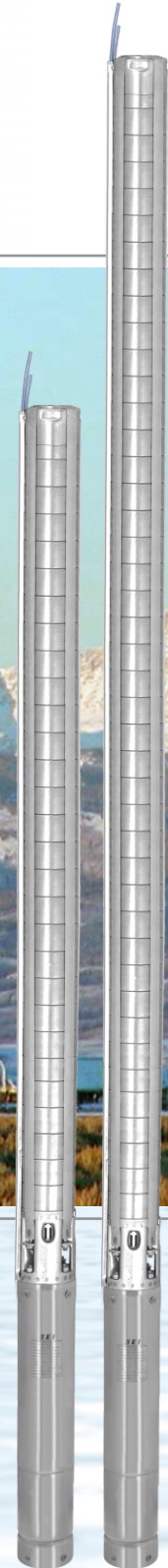
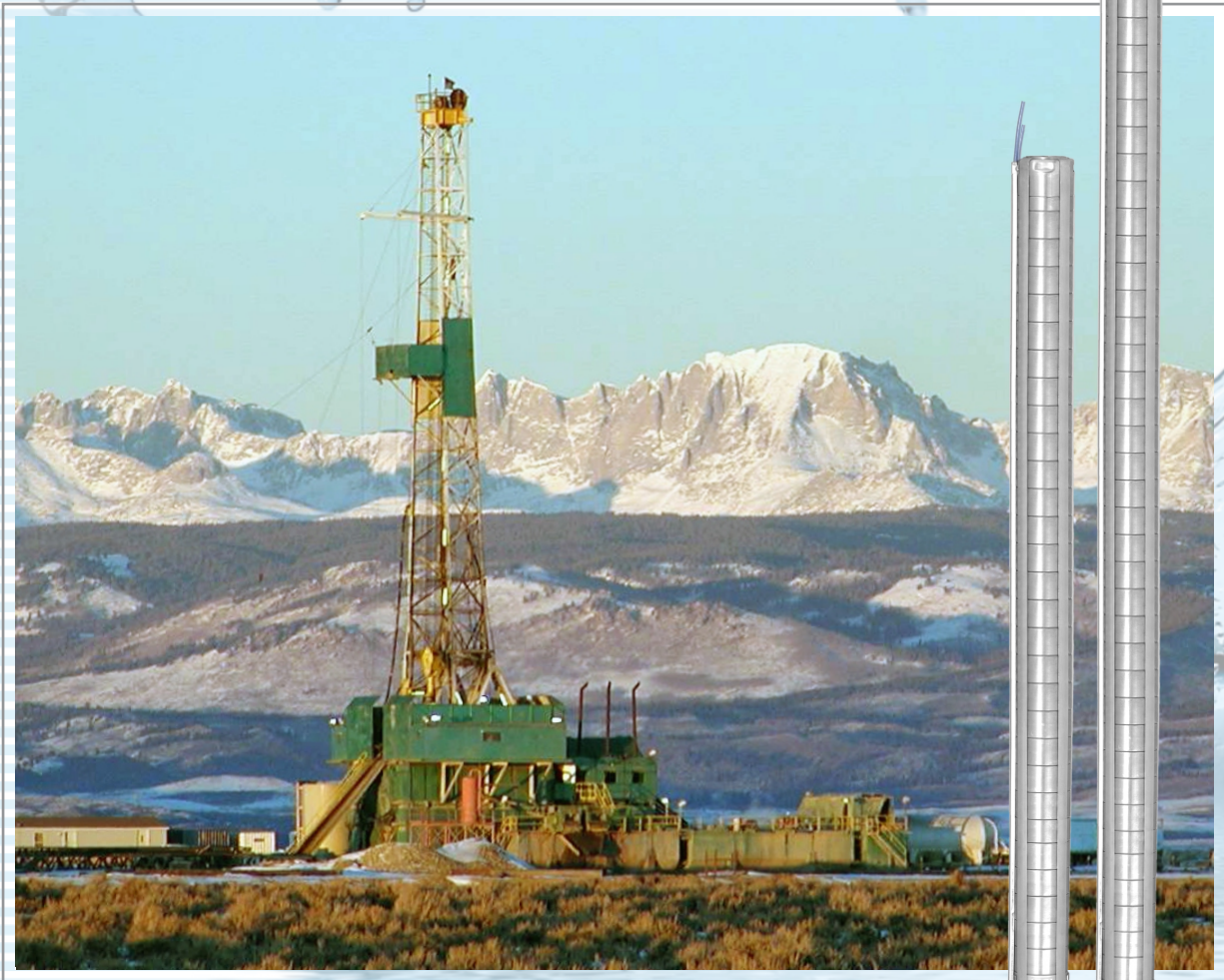




COALBED NATURAL GAS

4" Submersible Pumps



RANGE:
1.2 GPM to 32 GPM
2 HP To 10 HP
800 to 2200 Ft TDH

Applications

SEI 4" CBM submersibles feature corrosion-resistant stainless steel construction and an enhanced wear resistant design for harsh & abrasive CBM environments.

Pump Special Features

- These pumps are provided with upthrust washer on each stage to enhance durability.
- Intermediate bearing adapters are provided at suction end, discharge end and also in the middle of the pump to provide rigid support which increases wear resistance and life of the pump.
- The bowl casings on the pump have additional metal thickness to withstand high working pressure.
- These pumps are provided with extra heavy clamp strip to facilitate better assembly of the pump which also helps in withstanding high pressure developed by the pump. It also prevents leakage from inbetween the bowl assemblies.

Motor Special Features

- Complete stainless steel construction.
- Abrasion resistant sic/sic mechanical shaft seal to prevent sand entry into the motor.
- Oil filled motor design ensures very good conduction of heat from windings to the outer jacket of the motor. It also provide good lubrication to the ball bearings.
- Over rated motor design results into very low temperature rise for the Motor. The motor will not require a cooling sleeve up to 122°F.
- Motors have standard NEMA mounting dimensions.
- Extra heavy duty ball bearings provided to take high thrust loads as mentioned in the motor specification.
- Motor are equipped with a heavy duty Cast Iron base to prevent damage to the motor while lowering it into the well.
- Extra heavy outer body is provided for high durability.

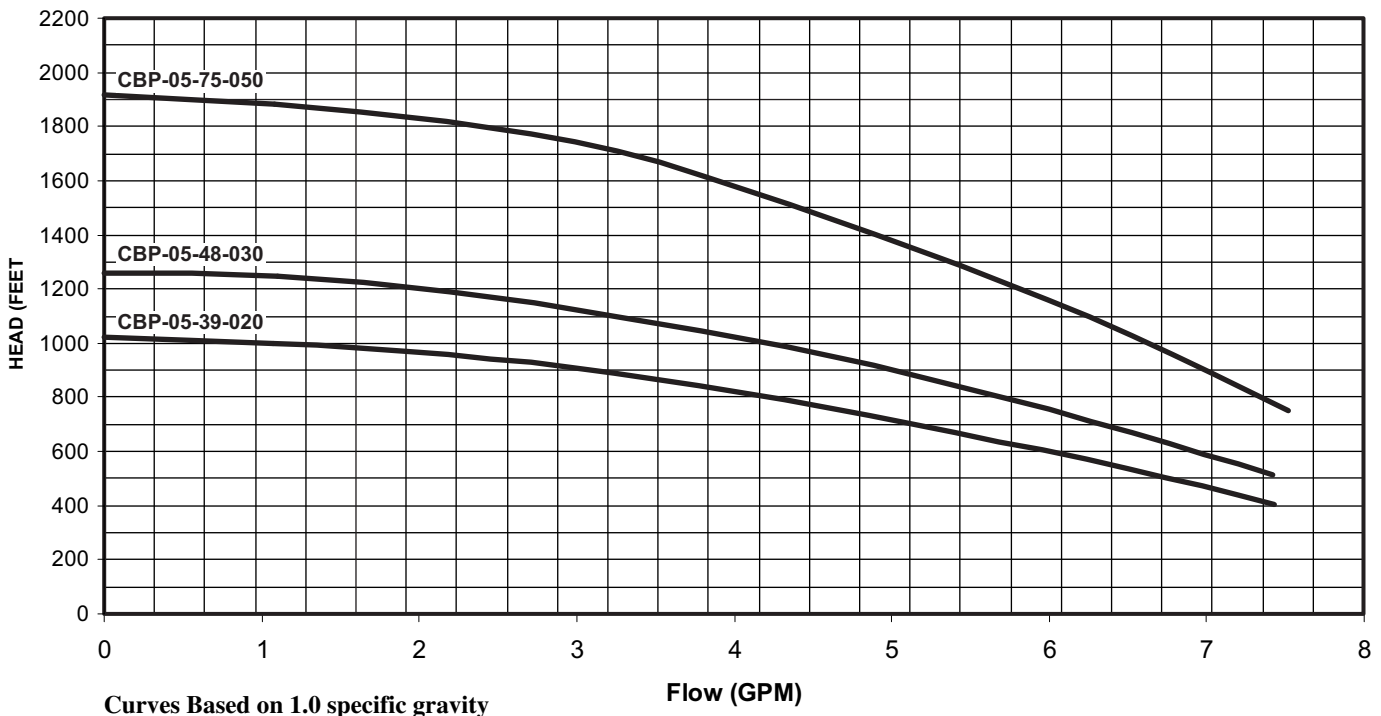
Pump Specifications

Models	Well Size	HP Range	Flow Range To:(GPM.)
CBP-05	4" or larger	2.0 to 5.0	1.2 - 7
CBP-10	4" or larger	3.0 to 7.5	5 - 14
CBP-16	4" or larger	5.0 to 10.0	10 - 20
CBP-25	4" or larger	7.5 to 10.0	18 - 32

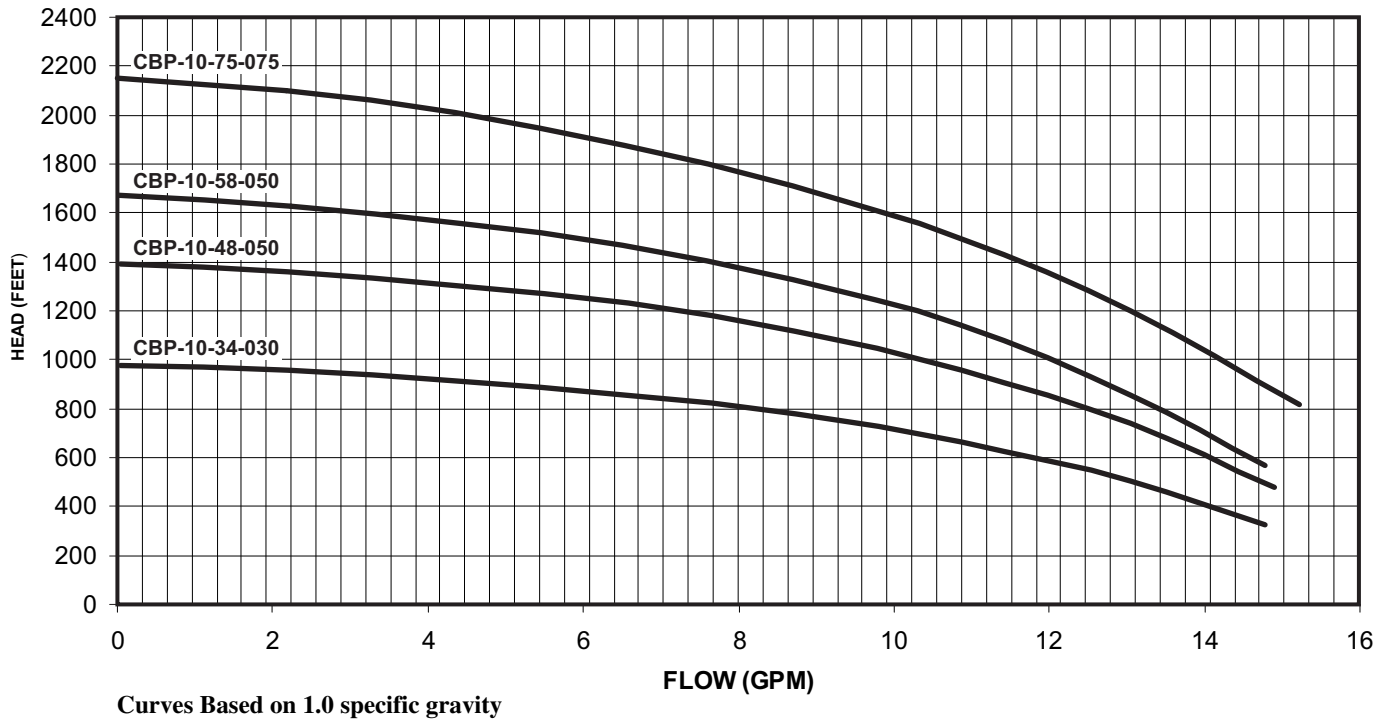
Motor Specifications

Models	Thrust Load (N)	Un (Volts)	In (Amps)	RPM	η (Eff.)[%] At % Load 100
M4-020-460-3C	2500	460	4.20	3430	73.0
M4-030-460-3C	2500	460	5.00	3430	75.0
M4-050-460-3C	5000	460	8.80	3450	76.0
M4-075-460-3C	5000	460	13.50	3440	77.0
M4-100-460-3C	5000	460	17.50	3430	77.0

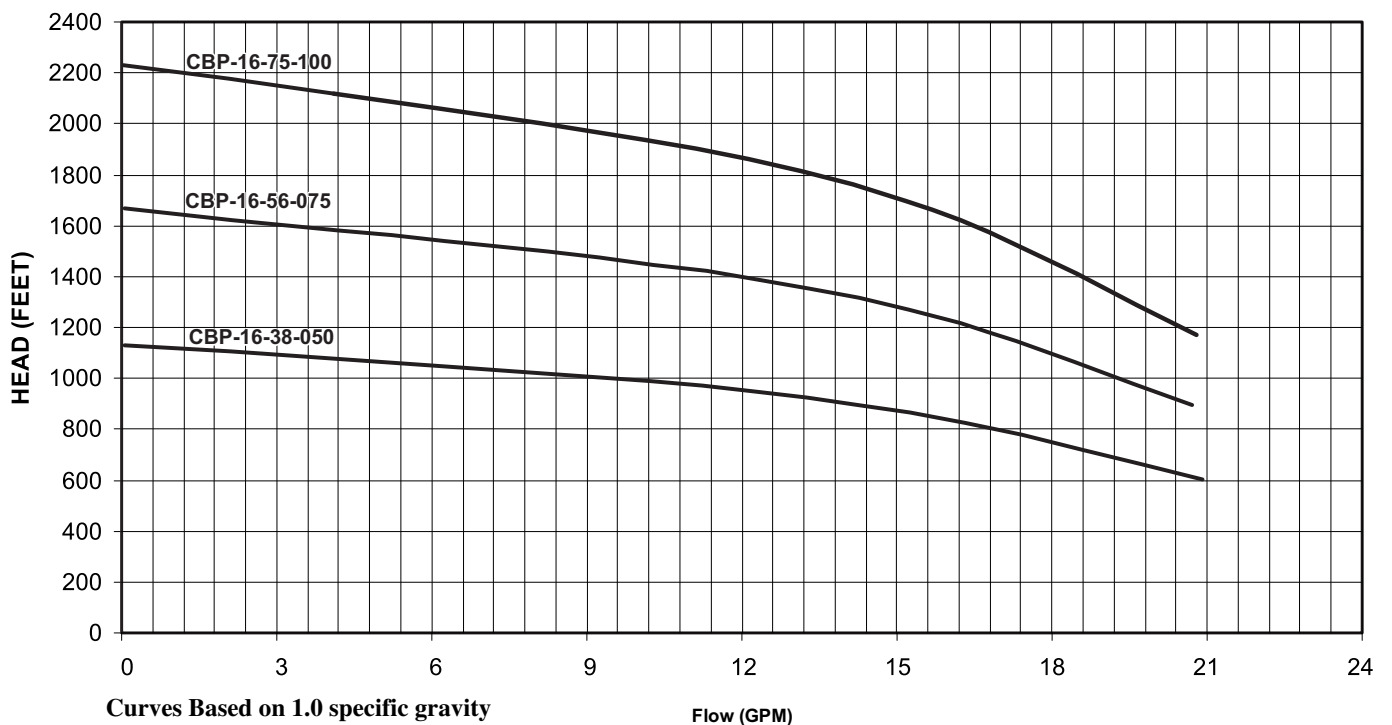
5 GPM Performance Curves



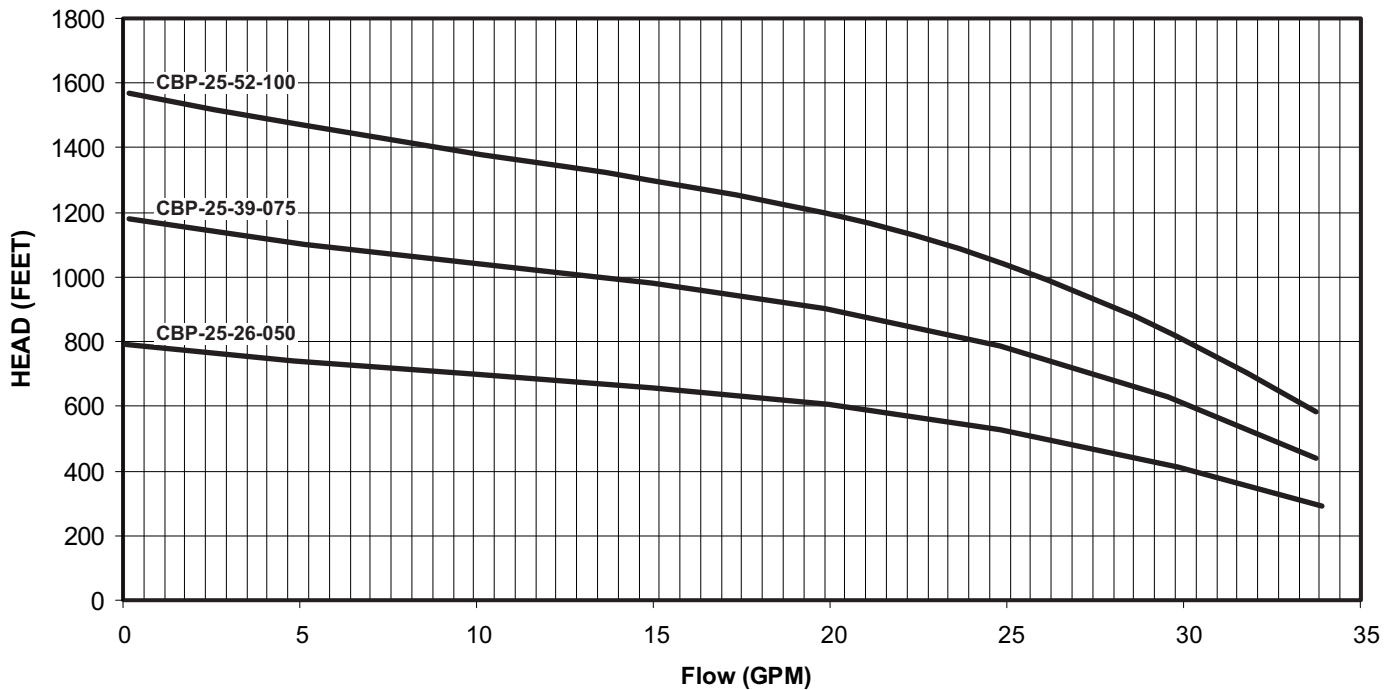
10 GPM Performance Curves



16 GPM Performance Curves



25 GPM Performance Curves



Curves Based on 1.0 specific gravity

Dimensions & Weights

Models	HP	Discharge NTP	Pump Length	Motor Length	Total Length	Gross Weight (LBS)
CBP-05-39-020	2.0	2"	42.8"	19.9"	62.7"	69.4
CBP-05-48-030	3.0	2"	50.5"	21.5"	72.0"	79.3
CBP-05-75-050	5.0	2"	72.7"	25.8"	98.5"	109.4
CBP-10-34-030	3.0	2"	38.8"	21.5"	60.3"	69.8
CBP-10-48-050	5.0	2"	50.4"	25.8"	76.2"	92.9
CBP-10-58-050	5.0	2"	58.7"	25.8"	84.5"	99.5
CBP-10-75-075	7.5	2"	72.7"	29.4"	102.1"	118.2
CBP-16-38-050	5.0	2"	42.0"	25.8"	67.8"	85.9
CBP-16-56-075	7.5	2"	56.9"	29.4"	86.3"	107.2
CBP-16-75-100	10.0	2"	72.7"	33.3"	106.0"	130.4
CBP-25-26-050	7.5	2"	32.1"	29.4"	61.5"	83.0
CBP-25-39-075	7.5	2"	42.8"	29.4"	72.2"	95.8
CBP-25-52-100	10.0	2"	53.6"	33.3"	86.9"	118.0

Horsepower based on a 1.0 specific gravity

Product Improvement is a continuous process at 'SEI'. The data given in this publication is therefore subject to revision.



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