PERFORMANCE CURVE OF EMF 450-550 @740 R.P.M EMF 450-550/Y/505558 MODEL EMF 450-550 WORKING PRESS. 16 bar PUMPSENSE SIZE 450x450-540 TEST PRESS. EMF RANGE TYPE-MIXED FLOW TYPE PUMP SPEED 740 rpm SHADED REGION ON THE H-Q CURVE REPRESENTS OPTIMUM SELECTION ZONE PUMP PERFORMANCE CHARACTERISTICS COMPUTED BASED ON CLEAN COLD WATER S.G 1.0 Max. Impeller Dia. 540mmx13.5° Min. Impeller Dia. 498mmx14.5° Impeller Drg. No. EMF 450-550/HD003/0 Volute Drg. No. EMF 450-550/HD001/0 HEAD (M) HEAD (FT) Hydraulic Data Minimum Eye Area 1321.5cm<sup>2</sup> Throat Area 1590cm<sup>2</sup> 18 Continuous 540mmx13.5° Impeller Width 101mm No. of Vane 5 Flow Volute Construction - Single Volute 17 Shaft: EM 4 520mmx13.5° 40MM,D1=415MM,D0=63.5 50 16 58 66 512mmx18.5° 15 73 498mmx14.5° 14 13 73 12 11 10 68 9 66 -12 8 400 500 100 600 200 300 LPS M<sup>3</sup>/H 800 120 1600 2000 400 2800 NP\$Hr (m) (ft) -12 . 9 B.E.P Flow | 1754.3 M/Hr. B.E.P Head | 13.34 M ٠6 740 R.P.M Speed POWER **POWER** Ns: 3821 US UNITS (HP) (kW) • 3 100 -160 -140 90 540 mmx 13.5-120 520mmx13.5° 80 -100 512mmx18.5° 498mmx14.5° - 80 70 - 60 60 - 40 50 -20 40 년 ٠0 100 200 300 400 500 600 700 LPS

1600

6400

800

3200

400

1600

0

1200

4800

2000

9600

8000

2400

11200

2800

M<sup>3</sup>/Hr

**USGPM** 

740 RPM