Pump tipe: SRP 25-175-RHAM-12-4-2-0 ;
Pump depth: Hdp=1230,25m
SRP working parameters:
- Stroke lenght S=1,89 m
- Pumping speed n=4,0 min-1

P_c= 7 bar
P_t= 7 bar
D_{choke}=50mm

Qf=9,4m³/day **Qo**=1,299 m³/day **WC** 84%

Characteristics of Beam pumping unit

Model	K-7	API	177-154-79

Manufacturer	MRZ Serbia

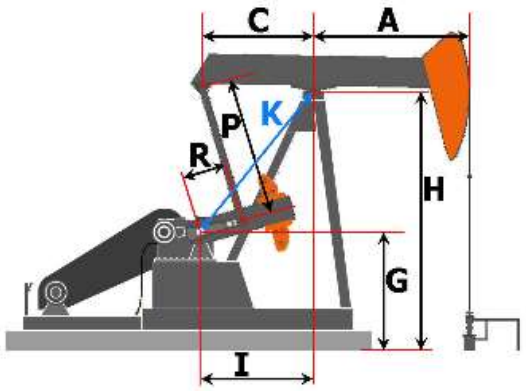
Rotation	Counterclockwise

	API	imperial	metric
Max torque of the reducer	177	177014 lbs * in	20000 Nm
Max load capacity	154	15432 lbs	7 t
Max stroke length	79	79 in	2000 mm

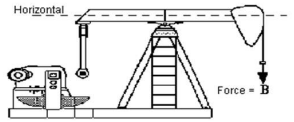
Structural unbalance	380 N	0,04 t

Beam pump units dimensions							Position of the holes on crank				
A	C	G	H	I	K	P	R1	R2	R3	R4	R5
cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm	cm
220	220	175	415	220	325,5764	241	45	60	75	100	/

Ponderosity of one weight	700 kg



Structural Unbalance



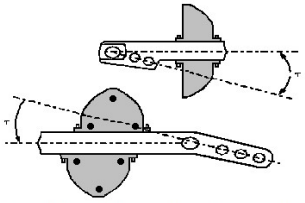
Structural unbalance is a term used for pumping units with walking be ams. It is de fined in API 11E as the force you need at the polished rod to hold the walking beam horizontal with the pit man arms disconnected from the crank pins. This force is positive when acting downward and negative when acting upward.

Structural unbalance for conventional units can be either positive or negative. If you do not know the structural unbalance for the unit you want to simulate then enter zero. In most cases the structural unbalance will not affect the results significantly.

Structural unbalance for Mark II units is al ways negative.

Crank offset angle	

Crank Offset Angle



The crank offset angle (or crank phase angle) is the angle between the crank pin bearing and the counterweight arm. RODSTAR expects a negative crank angle for enhanced geometry units such as the Torqmaster, Lufkin Reverse Mark, or the American Producer II. For conventional pumping units, the crank offset angle is zero. For Mark II units, RODSTAR expects a positive crank offset angle.