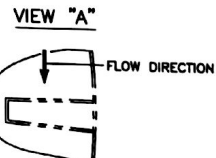


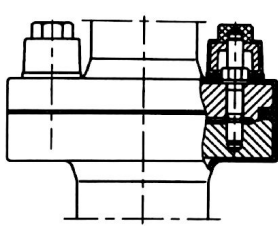
MOTOR: SIEMENS
 TYPE: 1LA6166-4AA94-Z
 P= 15kW
 U= 3X380V±10%; 50Hz±2%; IP55
 INSUL. CL.: F; TEMP RISE B
 WITH DRAIN HOLES AND SPACE HEATERS
 GEARBOX: SEW
 TYPE: RF107-IEC160
 N₂= 53RPM

INTERMEDIATE FLANGE
 AGITATOR BEARING UNIT EM 2125
 V-RING (VITON)
 MOUNTING PLATE 1000x1000x40
 MADE OF CARBON STEEL (PAINTED)
 PRODUCT SIDE: 5MM HARD RUBBER LINED

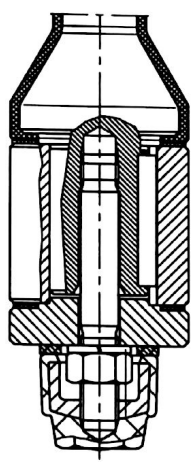
BEARING SHAFT
 INTANK FLANGE CONNECTION
 2 TRIANGULAR BAFFLES ON SITE
 AGITATOR SHAFT
 DIRECTION OF ROTATION
 EKATO-VISCOPROP2-25
 2-BLADED
 WITH KEYED HUB AND CAPNUT
 FLOW DIRECTION



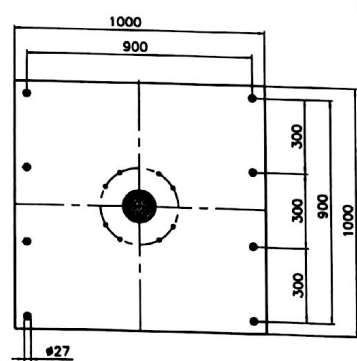
DETAIL-FLANGE COUPLING
 SCALE NFS



DETAIL-IMPELLER HUB
 SHOWN WITHOUT BLADES



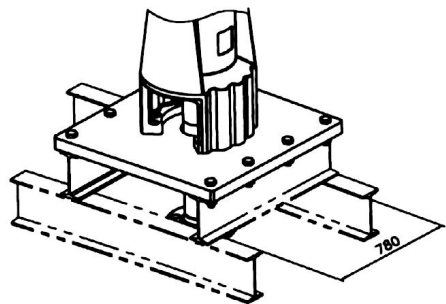
MOUNTING PLATE
 SCALE 1:10



EINZELGESAMTGEWICHTSANGABEN WEIGHTS	
Motor	120 kg
Gearbox	200 kg
Agitator	420 kg
Impeller	310 kg
Mounting plate	675 kg
Shaft	135 kg
Hub	1860 kg

MATERIAL OF PRODUCT WETTED PARTS:
 MOUNTING PLATE (PRODUCT SIDE): CARBON STEEL (5MM HARD RUBBER LINED)
 BEARING SHAFT, SHAFT: CARBON STEEL (5MM HARD RUBBER LINED)
 IMPELLERS: 1.4539
 CONNECTION ELEMENTS: CARBON STEEL WITH CAPNUT

OPENING FOR PASSING IMPELLER : 780mmx2200mm



MOUNTING PLATE CONNECTION
 SCALE NFS

		min	max	stat	start	average
axial force	F _{ax} [N]	-11869	-8253	-18088	-	-10081
Lateral force	F _{lat} [N]	-680	680	-	-	-
Bending moment	M _b [Nm]	-4438	4438	-	-	-
Torque	M _t [Nm]	1892	3514	-	8109	2703
Lateral force	F _{lat} [N]	-	-	-	-	-

The dynamic part of the lateral forces and of the bending moment is resulting from the calculation of the dynamic loads in the vessel. The static part of the lateral forces and of the bending moment is resulting from the static loads. The static part of the lateral forces and of the bending moment is resulting from the static loads. The static part of the lateral forces and of the bending moment is resulting from the static loads.

CLIENT: DESMET BALLESTRA OLEO S.P.A.
 PROJECT: PHOSPHORIC ACID - EGYPT
 PROJECT-NO.: 7E40
 ITEM: 630 MX 3
 FLUID-SERIAL-NO.: 10/78584/20/2

Agitator	EM 2125	FLUID AGITATOR
Scale	1:25	FLUID AGITATOR
Project	1-83-F-00007-02-A	