

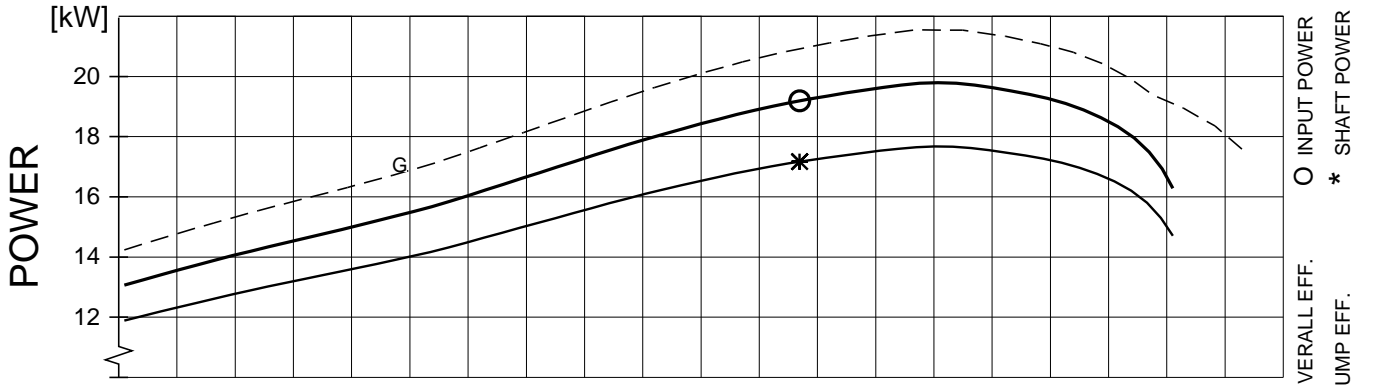


# PERFORMANCE CURVE

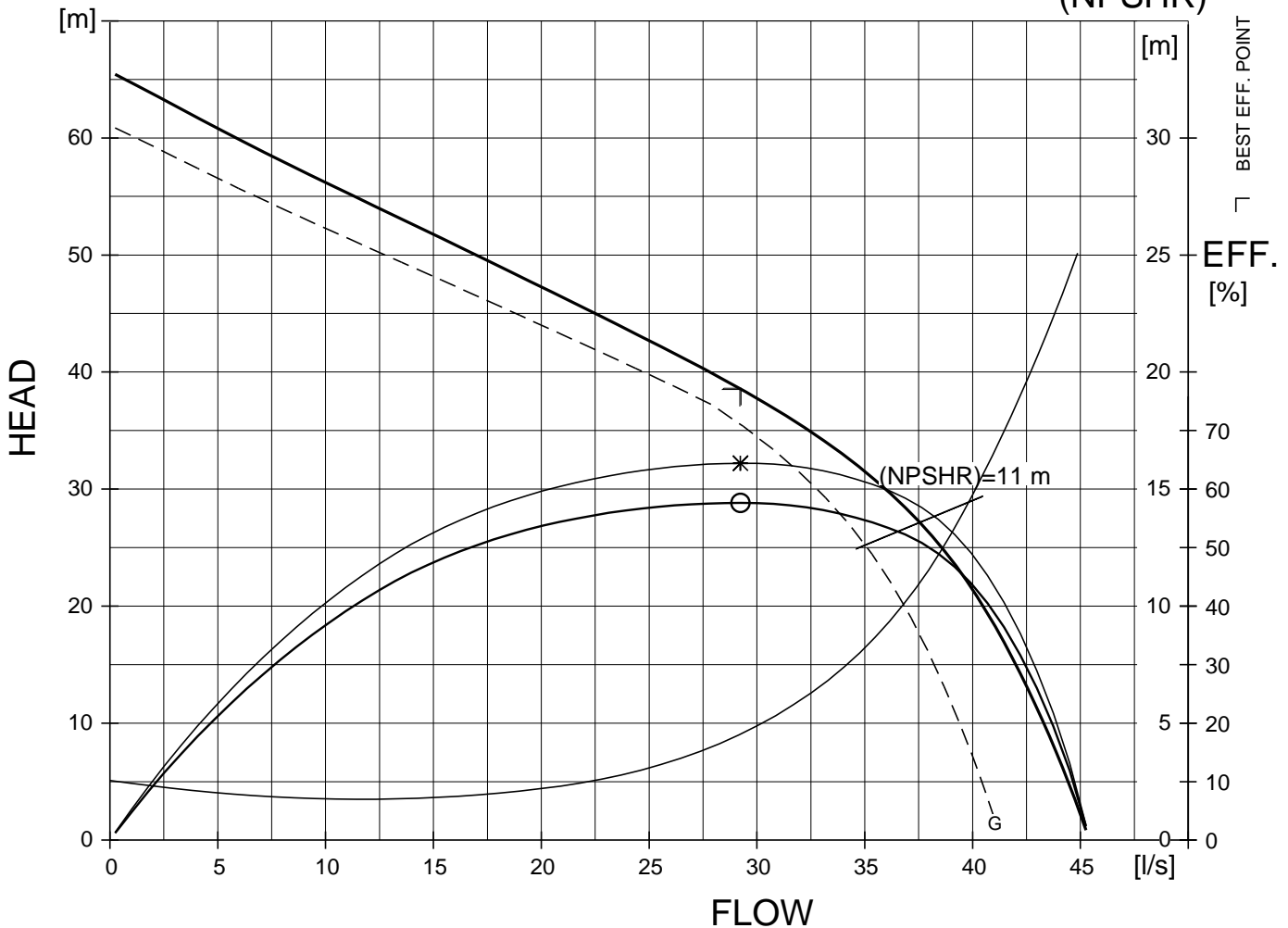
PRODUCT	BS2670.180	TYPE	HT
CURVE NO	53-251-00-0150	ISSUE	5

DATE	2023-02-23	PROJECT	
------	------------	---------	--

POWER FACTOR	1/1-LOAD	3/4-LOAD	1/2-LOAD	RATED POWER .....	18 kW	IMPELLER DIAMETER			
	0.90	0.87	0.80			220 mm			
EFFICIENCY	89.0 %	90.5 %	91.0 %	STARTING CURRENT ...	213 A	MOTOR #	STATOR	REV	
MOTOR DATA	---	---	---	RATED CURRENT ...	32 A	21-18-2BB	01D	10	
COMMENTS	INLET/OUTLET			RATED SPEED .....	2890 rpm	FREQ.	PHASES	VOLTAGE	POLES
	-100 mm			TOT.MOM.OF INERTIA ...	0.052 kgm2	50 Hz	3	400 V	2
IMP. THROUGHLET				NO. OF BLADES	3	GEARTYPE		RATIO	
22 mm						---		---	



DUTY-POINT	FLOW [l/s]	HEAD [m]	POWER [kW]	EFF. [%]	(NPSHR)[m]	GUARANTEE
B.E.P.	29.2	38.6	19.2 (17.2)	57.6 (64.4)	4.5	ISO 9906/annex A.1



FLYPS3.1.5.9 (20060531)

(NPSHR) = (NPSH3) + margins

Performance with clear water and ambient temp 40 °C

GUARANTEE BETWEEN LIMITS (G) ACC. TO  
**ISO 9906/annex A.1**