

Progetto / Titolo Project / title	Identificativo document no.	Rev. rev.	Pagina page	Di of
		0	5	5
Classe di Riservatezza confidential class				

SPINTE AMMISSIBILI DELLE TUBAZIONI				PERMISSIBLE PIPE ACTIONS						
Connezione Connection	(1)			(2)	$\pm F_x$ (kN)	$\pm F_y$ (kN)	$\pm F_z$ (kN)	$\pm M_x$ (kNm)	$\pm M_y$ (kNm)	$\pm M_z$ (kNm)
	$\delta x$ (mm)	$\delta y$ (mm)	$\delta z$ (mm)							
MAC 10/13 Extraction 1 (Gen. end)	+6.3	-0.8	-1.8	c h	40 20	40 20	40 20	120 60	120 60	120 60
MAC 10/14 Extraction 1 (Turb. end)	+1	-0.8	-1.8	c h	40 20	40 20	40 20	120 60	120 60	120 60
MAC 10/15 Extraction 2 (Gen. end)	+6.3	+0.9	-2.5	c h	22 11	22 11	22 11	66 33	66 33	66 33
MAC 10/16 Extraction 2 (Turb. end)	+1	+0.9	-2.5	c, h	22 11	22 11	22 11	66 33	66 33	66 33
MAC 10/17 Extraction 3	+3.8	+1.1	-5.9		22 11	22 11	22 11	66 33	66 33	66 33
MAC10/11 (at T= 40°C) LP exhaust (at T=120°C)	+1.2 +2.9	0.0 0.0	-1.2 -2.9		$\pm 250$	$\pm 250$	+825 -1600	$\pm 1350$	$\pm 1350$	$\pm 650$
(1) Dilatazioni termiche in cond. nominali Thermal expansions in normal operations				c h		$\Sigma F_y$	$\leq \pm 75$ KN $\leq \pm 37.5$ KN			
(2) c = freddo / cold h = caldo / hot				c h		$\Sigma F_z$	$\leq \pm 90$ KN $\leq \pm 45$ KN			
(3) Coordinate bocchelli Nozzles coordinates				c h		$\Sigma (z \cdot F_y) + \Sigma (y \cdot F_z) + \Sigma M_x$	$\leq \pm 226$ kNm $\leq \pm 113$ kNm			

SPINTE EFFETTIVE DELLE TUBAZIONI				ACTUAL PIPE ACTIONS						
Connezione x Connection	(1)			(2)	$\pm F_x$ (kN)	$\pm F_y$ (kN)	$\pm F_z$ (kN)	$\pm M_x$ (kNm)	$\pm M_y$ (kNm)	$\pm M_z$ (kNm)
	(mm)	y (mm)	Z (mm)							
MAC 10/13 Extraction 1 (Gen. end)	+950	-1150	-2620	c h						
MAC 10/14 Extraction 1(Turb. end)	-950	-1150	-2620	c h						
MAC 10/15 Extraction 2 (Gen. end)	+950	+950	-2620	c h						
MAC 10/16 Extraction 2(Turb. end)	-950	+950	-2620	c h						
MAC 10/17 Extraction 3	0.0	+500	-2620	c h						
MAC10/11 LP exhaust	0.0	0.0	-2650	c h						
Sezione di turbina : BP Turbine section : BP ND33				c h		$\Sigma F_y$	= kN = kN			
Valvole / Valves				c h		$\Sigma F_z$	= kN = kN			
				c h		$\Sigma (z \cdot F_y) + \Sigma (y \cdot F_z) + \Sigma M_x$	= kNm = kNm			